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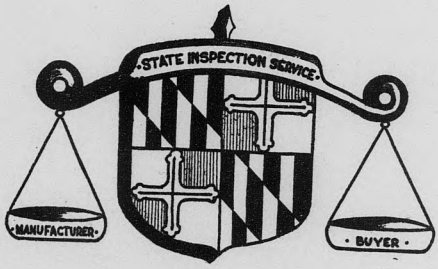
Commercial Fertilizers, Commercial Feeds

and

Agricultural Liming Materials



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INTRODUCTION

This publication contains the results of examinations on samples of commercial fertilizers, commercial feeds, dog feeds, vitamin D supplements and agricultural liming materials sold in Maryland during the latter part of 1936. It also contains a list and description of all brands of fertilizer registered prior to January 15th, and intended for 1937 delivery in the State of Maryland.

One of the purposes of this issue is to furnish perspective buyers with advance information concerning the composition of fertilizers to be found on the Maryland market this year. This information has been found valuable when used as a guide in selecting the brand best suited for individual crop and soil requirements. It also enables consumers to purchase more intelligently and to discriminate against those products which in their judgment may not effect the desired results. This bulletin does not include all products that will be sold as manufacturers usually find it necessary to supplement their first estimate of demands with later registrations.

During the fall season, official representatives of this Department collected from dealers' warehouses, or in transit, 514 samples of commercial fertilizers which were subjected to complete chemical examination.

There were 910 official samples of feeding stuffs secured from manufacturers or dealers throughout the State during the fall season. These samples were analyzed chemically and microscopically in order to determine whether or not brand names, guarantees, and claimed composition were correct, and for the presence of materials classified as adulterants. Twenty-four samples of vitamin D supplements were biologically assayed to ascertain whether manufacturers' claims for anti-rachitic potency were substantiated.

Fifty samples of agricultural liming materials secured during the fall season were examined in order to establish the correctness of guarantees printed upon the sack or attached cards. All of these samples were submitted to a chemical examination, and a number of them to a sieve test for degree of fineness.

In addition to the analysis of official samples included in this report, 211 samples forwarded to this Department by purchasers were examined and reports transmitted to those parties particularly interested. Since a representative sample is as essential as an accurate analysis in judging the quality of a product, this organization can vouch only for the accuracy of the results obtained on the materials submitted.

FERTILIZER ANALYSES

A detailed table showing results obtained in the examination of fertilizers from July 1, 1936, to January 1, 1937, is given on pages 6 to 26, inclusive.

When submitting applications for the registration of fertilizers, manufacturers are required to state the percentage of mineral and the percentage of organic nitrogen contained in each product. Each mixed fertilizer is chemically examined for these two forms of nitrogen and reports included herein. The following tolerances or variations from manufacturers' statements have been adopted by this Department.

Mixed fertilizers containing two per cent of nitrogen or less were allowed tolerance of one-fourth of one per cent.

Mixed fertilizers containing three per cent of nitrogen a tolerance of one-third of one per cent.

Mixed fertilizers containing four per cent or more of nitrogen, one-half of one per cent.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Acme Guano Co., Baltimore, Md.													
3–12–6	Baltimore	3.00	3.00	2.40	2.61	.60	.39	.60	12.00	12.60	6.00	6.66	184 A
†Acme 2–12–6	Baltimore	2.00	2.02	1.60	1.80	.40	.22	.70	12.00	13.30	6.00	6.00	52 A
Acme 2–12–5 Special	Reisterstown	2.00	1.99	1.00	1.64	1.00	.35	3.30	12.00	11.30	5.00	5.44	93 A
Acme 2–12–5 Special	New Windsor	2.00	2.05	1.00	1.50	1.00	.55	3.40	12.00	11.00	5.00	5.28	108 A
†Acme 2–12–5 Special	Bel Air	2.00	2.00	1.00	.92	1.00	1.13	2.50	12.00	13.70	5.00	5.44	53 A
2–12–4	Bel Air	2.00	2.39	1.60	1.94	.40	.45	.40	12.00	12.00	4.00	4.66	16 A
Acme 2–9–5	Baltimore	2.00	2.26	1.60	1.94	.40	.32	.60	9.00	12.10	5.00	5.01	62 B
Acme 2–9–5	Baltimore	2.00	1.98	1.60	1.70	.40	.28	.40	9.00	10.60	4.00	5.35	208 B
Acme 2–9–5	Baltimore	2.00	1.99	1.60	1.67	.40	.32	.40	9.00	10.40	5.00	5.35	158 B
Acme 2–9–5	Vienna	2.00	2.05	1.60	1.66	.40	.39	.50	9.00	9.00	5.00	5.00	213 B
Acme 2–9–5	Reisterstown	2.00	1.02	1.60	1.66	.40	.36	.30	9.00	9.60	5.00	5.38	61 A
Acme 2–9–5	New Windsor	2.00	1.99	1.60	1.68	.40	.31	.40	9.00	9.40	5.00	5.12	72 A
Acme 2–9–5	Bel Air	2.00	2.25	1.60	1.74	.40	.51	.60	9.00	9.00	5.00	5.00	113 B
Acme 2–9–5	Ellicott City	2.00	2.05	1.60	1.73	.40	.32	1.00	9.00	9.30	5.00	5.28	21 A
2–8–10	Vienna	2.00	1.99	1.60	1.77	.40	.22	.30	8.00	7.90	10.00	10.40	10 B
American Agricultural Chemical Co., Baltimore, Md.													
Agrico for Grain 2–12–4	Baltimore	2.00	2.08	1.50	1.47	.50	.61	1.00	12.00	12.10	4.00	4.50	57 A
Agrico for Grain 2–12–4	Baltimore	2.00	2.05	1.50	1.38	.50	.67	.90	12.00	12.40	4.00	4.26	7 A
Agrico for Grain 2–12–4	Baltimore	2.00	1.98	1.50	1.48	.50	.50	.90	12.00	12.30	4.00	4.26	36 A
AA. Farmers Friend Fertilizer 2–12–4	Baltimore	2.00	2.13	1.50	1.33	.50	.80	1.10	12.00	12.10	4.00	4.50	17 A
AA. Farmers Friend Fertilizer 2–12–4	Baltimore	2.00	2.06	1.50	1.43	.50	.63	1.40	12.00	11.80	4.00	4.42	54 A
AA. Farmers Friend Fertilizer 2–12–4	Baltimore	2.00	1.99	1.50	1.47	.50	.52	1.10	12.00	11.80	4.00	4.37	52 A
AA. Kangaroo Komplete Komp'd 2-10-4	Baltimore	2.00	2.04	1.50	1.53	.50	.51	1.70	10.00	9.50	4.00	4.26	21 A
AA. Red Dog Fertilizer 2–9–5	Baltimore	2.00	1.92	1.50	1.21	.50	.71	1.10	9.00	9.20	5.00	5.04	9 A
AA. Red Dog Fertilizer 2–9–5	Baltimore	2.00	1.99	1.50	1.36	.50	.63	1.70	9.00	8.70	5.00	5.20	21 B
AA. Red Dog Fertilizer 2–9–5	Baltimore	2.00	2.05	1.50	1.40	.50	.65	1.60	9.00	9.10	5.00	5.40	16 A
Listers Harvest Queen Fert. 2–9–5	Baltimore	2.00	1.98	1.50	1.32	.50	.66	.80	9.00	9.60	5.00	5.38	4 A
Listers Harvest Queen Fert. 2–9–5	Baltimore	2.00	2.08	1.50	1.43	.50	.65	1.50	9.00	9.00	5.00	5.28	16 A
AA. Old Hickory Fertilizer 2–8–10	Baltimore	2.00	2.11	1.50	1.58	.50	.53	1.30	8.00	8.10	10.00	10.40	42 A
AA. Acme Fertilizer 1–10–5	Baltimore	1.00	1.08	.75	.62	.25	.46	.80	10.00	10.30	5.00	5.47	78 B
AA. Acme Fertilizer 1–10–5	Baltimore	1.00	1.02	.75	.67	.25	.35	.90	10.00	9.80	5.00	5.28	56 B

AA. Acme Fertilizer 1–10–5	Baltimore	1.00	1.02	.75	.67	.25	.35	.90	10.00	9.80	5.00	5.28	56 B
AA. Acme Fertilizer 1–10–5	Baltimore	1.00	1.07	.75	.63	.25	.44	1.00	10.00	10.50	5.00	5.28	34 B
Pure Raw Bone 3.70-T. P. A. 20–0	Baltimore	3.70	4.04						*20.00	*23.00			
Pure Raw Bone 3.70-T. P. A. 20–0	Hyattsville	3.70	3.96						*20.00	*21.50			
Fine Ground Bone 2.47-T. P. A. 23–0	Baltimore	2.47	2.72						*23.00	*24.40			
Fine Ground Bone 2.47-T. P. A. 23–0	Hyattsville	2.47	2.58						*23.00	*26.20			
Pulverized Sheep and Goat Manure 1.25-T. P. A. 1–2	Hyattsville	1.25	1.60						*1.00	*1.50	2.00	3.18	
AA. Victory Mixture 0–12–5	Baltimore							1.00	12.00	12.10	5.00	5.28	
AA. Victory Mixture 0–12–5	Baltimore							1.20	12.00	12.10	5.00	5.40	
AA. Victory Mixture 0–12–5	Baltimore							1.00	12.00	12.90	5.00	5.50	
AA. Superphosphate 0–20–0	Baltimore							2.90	20.00	19.70			
AA. Superphosphate 0–16–0	Baltimore							.80	16.00	17.00			
AA. Superphosphate 0–16–0	Baltimore							1.00	16.00	17.20			
AA. Superphosphate 0–16–0	Baltimore							1.00	16.00	16.50			
AA. Basic Lime Phosphate 0–16–0	Baltimore							1.30	16.00	16.20			
AA. Basic Lime Phosphate 0–16–0	Baltimore							1.70	16.00	16.10			
Armour Fertilizer Works, Baltimore, Md.													
Armour's Big Crop Fert. 2–12–6	Baltimore	2.00	2.08	1.50	1.43	.50	.65	.40	12.00	12.30	6.00	6.02	5 B
Armour's Big Crop Fert. 2–12–6	Baltimore	2.00	2.16	1.50	1.35	.50	.81	.30	12.00	12.40	6.00	6.00	26 A
Armour's Big Crop Fert. 2–12–6	Woodsboro	2.00	1.99	1.50	1.21	.50	.78	.60	12.00	12.10	6.00	6.00	28 A
Armour's Big Crop Fert. 2–12–4	Baltimore	2.00	2.08	1.50	1.43	.50	.65	.50	12.00	12.00	4.00	4.04	8 A
Armour's Big Crop Fert. 2–12–4	Baltimore	2.00	1.99	1.50	1.24	.50	.75	.70	12.00	12.20	4.00	4.12	41 A
Armour's Big Crop Fert. 2–9–5	Baltimore	2.00	2.05	1.50	1.43	.50	.62	.40	9.00	9.40	5.00	5.20	4 A
Armour's Big Crop Fert. 2–9–5	Baltimore	2.00	2.09	1.50	1.43	.50	.66	.30	9.00	9.50	5.00	5.20	6 B
Armour's Big Crop Fert. 2–9–5	Baltimore	2.00	1.98	1.50	1.30	.50	.68	.30	9.00	9.30	5.00	5.16	30 B
Armour's Big Crop Fert. 2–8–10	Baltimore	2.00	1.98	1.50	1.25	.50	.73	.50	9.00	9.20	5.00	5.20	15 B
Armour's Royal Fish Mixture 1–10–5	Baltimore	2.00	2.04	1.50	1.33	.50	.71	.30	8.00	8.30	10.00	10.24	18 B
Armour's Royal Fish Mixture 1–10–5	Baltimore	1.00	1.01	.50	.62	.50	.39	.40	10.00	10.40	5.00	5.40	63 B
Armour's Royal Fish Mixture 1–10–5	Baltimore	1.00	1.15	.50	.56	.50	.59	.40	10.00	10.00	5.00	5.12	118 B
Armour's Royal Fish Mixture 1–10–5	Woodsboro	1.00	1.15	.50	.52	.50	.63	.60	10.00	10.00	5.00	5.35	22 B
Armour's Shredded Cattle Manure 2-T. P. A. .75–1.50	Baltimore	1.00	1.08	.50	.53	.50	.55	.50	10.00	10.10	5.00	5.00	7 B
Armour's Big Crop Fertilizer 0–10–10	Baltimore	2.00	1.76						*.75	*1.00	1.50	2.32	
Armour's Big Crop Fertilizer 0–10–10	Baltimore							.40	10.00	10.00	10.00	10.08	
Armour's Big Crop Fertilizer 0–10–10	Baltimore							.50	10.00	10.20	10.00	10.40	
Armour's Big Crop Fertilizer 0–10–10	Baltimore							.40	10.00	10.10	10.00	10.40	
Armour's Big Crop Fertilizer 0–12–5	Baltimore							.60	10.00	10.30	10.00	10.40	
Armour's Big Crop Fertilizer 0–12–5	Baltimore							.50	12.00	12.10	5.00	5.04	
Armour's Big Crop Fertilizer 0–12–5	Baltimore							.70	12.00	12.00	5.00	5.28	
	Baltimore							.60	12.00	12.10	5.00	5.04	

‡Not Licensed at time of Sale.
*Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Armour Fertilizer Works, Baltimore, Md. (Continued)													
Armour's Big Crop Fertilizer 0–12–5	Baltimore							.60	12.00	12.10	5.00	5.28	
Armour's Big Crop Superphos. 0–16–0	Baltimore							.60	16.00	16.20			
Armour's Big Crop Superphos. 0–16–0	Baltimore							.70	16.00	16.10			
Armour's Big Crop Superphos. 0–16–0	Baltimore							.80	16.00	16.10			
Baltimore Fertilizer Co., Baltimore, Md.													
Honest 4–8–7	Fallston	4.00	4.14	3.40	3.48	.60	.66	.20	8.00	9.30	7.00	6.29	36 B
Honest 4–8–5	Fallston	4.00	4.03	3.40	3.34	.60	.69	.30	8.00	9.80	5.00	5.50	13 A
Honest 2–12–4	Glyndon	2.00	2.01	1.40	1.59	.60	.42	.60	12.00	12.80	4.00	4.50	49 A
Honest 2–12–4	Fallston	2.00	2.06	1.40	1.64	.60	.42	.20	12.00	12.50	4.00	6.13	20 A
Honest 2–12–4	Bel Air	2.00	1.85	1.40	1.38	.60	.47	.40	12.00	12.60	4.00	6.21	143 B
Honest 2–9–5	Glyndon	2.00	1.99	1.40	1.52	.60	.47	.20	9.00	9.80	5.00	5.49	223 B
Honest 2–9–5	Fallston	2.00	2.04	1.40	1.52	.60	.52	.30	9.00	10.50	5.00	5.82	28 B
Honest 2–9–5	Bel Air	2.00	2.01	1.40	1.60	.60	.41	.30	9.00	10.80	5.00	5.12	179 B
Honest 2–8–10	Glyndon	2.00	2.01	1.40	1.46	.60	.55	.20	8.00	9.00	10.00	11.02	112 B
Barrett Co., New York, N. Y.													
Arcadian The American Nitrate of Soda	Baltimore	16.00	16.16										
W. J. Barton & Son, Centreville, Md.													
MBW. Caroline Special 1–10–5	Centreville	1.00	1.17	.25	.39	.75	.78	.70	10.00	10.20	5.00	5.32	168 B
MBW. 0–11–7	Centreville							.70	11.00	11.20	7.00	6.75	
MBW. 0–12–5	Centreville							.90	12.00	12.40	5.00	5.40	
Baugh & Sons Co., Baltimore, Md.													
Baugh's Three Quarter Century Perfection Brand 3–12–6	Baltimore	3.00	3.00	2.25	2.13	.75	.87	1.20	12.00	12.70	6.00	6.21	101 A
Baugh's Three Quarter Century Perfection Brand 3–12–6	Baltimore	3.00	2.99	2.25	2.15	.75	.84	.90	12.00	12.40	6.00	6.21	182 A
Baugh's Wheat Fertilizer for Wheat and Grass 2–12–6	Baltimore	2.00	1.98	1.40	1.26	.60	.72	.50	12.00	12.90	6.00	6.30	35 B
Baugh's Wheat Fertilizer for Wheat and Grass 2–12–6	Baltimore	2.00	2.01	1.40	1.57	.60	.44	.50	12.00	13.00	6.00	6.05	4 B
Baugh's Wheat Fertilizer for Wheat and Grass 2–12–6													

Baugh's Wheat Fertilizer for Wheat and Grass 2–12–6	Baltimore	2.00	1.98	1.40	1.26	.60	.72	.50	12.00	12.90	6.00	6.30	35 B
Baugh's Wheat Fertilizer for Wheat and Grass 2–12–6	Baltimore	2.00	2.01	1.40	1.57	.60	.44	.50	12.00	13.00	6.00	‡6.05	4 B
Baugh's Wheat Fertilizer for Wheat and Grass 2–12–6	Maugansville	2.00	2.06	1.40	1.40	.60	.66	1.20	12.00	12.10	6.00	6.83	18 A
Baugh's Double Eagle Phos. 2–12–4	Baltimore	2.00	2.05	1.40	1.39	.60	.66	.70	12.00	12.70	4.00	4.34	27 B
Baugh's Double Eagle Phos. 2–12–4	Baltimore	2.00	2.08	1.40	1.33	.60	.75	.80	12.00	12.80	4.00	4.45	33 B
Baugh's Double Eagle Phos. 2–12–4	Baltimore	2.00	2.02	1.40	1.32	.60	.70	1.10	12.00	12.80	4.00	4.22	13 A
Baugh's Double Eagle Phos. 2–12–4	Baltimore	2.00	2.12	1.40	1.38	.60	.74	1.20	12.00	12.40	4.00	4.12	50 B
Baugh's Half and Half Mixture, with Potash 2–9–5	Baltimore	2.00	2.13	0.00	.21	2.00	1.92	4.40	9.00	10.30	5.00	6.29	250 B
Baugh's Half and Half Mixture, with Potash 2–9–5	Baltimore	2.00	2.01	0.00	.24	2.00	1.77	4.00	9.00	11.20	5.00	5.38	276 B
Baugh's Half and Half Mixture, with Potash 2–9–5	Maugansville	2.00	2.01	0.00	.20	2.00	1.81	4.40	9.00	9.70	5.00	6.44	205 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	2.02	1.40	1.43	.60	.59	.50	9.00	9.30	5.00	5.28	114 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	1.99	1.40	1.35	.60	.64	.50	9.00	9.60	5.00	5.28	65 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	2.04	1.40	1.43	.60	.61	.60	9.00	9.40	5.00	5.24	10 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Linwood	2.00	2.08	1.40	1.47	.60	.61	1.00	9.00	9.20	5.00	5.32	12 A
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	1.92	1.40	1.40	.60	.52	1.10	9.00	9.20	5.00	5.28	60 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Laurel	2.00	1.99	1.40	1.35	.60	.64	.80	9.00	9.70	5.00	5.20	6 B
Baugh's Commercial Crop Com. 2–8–10	Baltimore	2.00	1.99	1.40	1.40	.60	.59	.40	8.00	8.30	10.00	10.50	46 B
Baugh's Commercial Crop Com. 2–8–10	Baltimore	2.00	1.99	1.40	1.41	.60	.58	.90	8.00	8.40	10.00	10.40	94 B
Baugh's Raw Bone Meal 3.70–T.P.A. 21.50–0	Baltimore	3.70	3.73						*21.50	*21.80			
Baugh's Pure Steam Bone Meal 2.47-T.P.A. 23–0	Baltimore	2.47	2.71						*23.00	*25.90			
Baugh's Pure Steamed Bone Meal 2.47-T.P.A. 23–0	Baltimore	2.47	2.84						*23.00	*25.90			
Baugh's Phos. & Potash Mixture 0–12–5	Baltimore							.60	12.00	12.20	5.00	5.49	
Baughphos The Ideal Superphos. 0–20–0	Baltimore							.30	20.00	20.30			
Baughphos The Ideal Superphos. 0–20–0	Baltimore							.40	20.00	20.60			
Baughphos The Ideal Superphos. 0–16–0	Baltimore							.60	16.00	16.90			
Baughphos The Ideal Superphos. 0–16–0	Baltimore							.60	16.00	17.10			
Baughphos The Ideal Superphos. 0–16–0	Baltimore							.60	16.00	16.40			
Baughphos The Ideal Superphos. 0–16–0	Maugansville							.60	16.00	16.50			
Baugh's Lime & Phosphate 0–16–0	Maugansville							1.40	16.00	16.70			

‡Not Licensed at time of Sale.

*Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
F. W. Bolgiano & Co., Inc., Washington, D.C.													
Gold Tag 2–9–5		2.00	2.16	1.50	1.33	.50	.83	.40	9.00	9.30	5.00	5.52	262 B
Herbert Bryant, Inc., Alexandria, Va.													
Excelsior Ammoniated 5–8–5	Silver Spring	5.00	5.00	3.75	4.18	1.25	.82	.50	8.00	8.50	5.00	5.74	243 A
Excelsior Ammoniated 5–8–5	Silver Spring	5.00	5.00	3.75	3.81	1.25	1.19	.30	8.00	9.30	5.00	5.04	278 A
Pure Fish Compound 3–10–5	Wash. Grove	3.00	3.09	0.00	.31	3.00	2.78	1.20	10.00	11.20	5.00	5.51	26 B
Golden Grain Grower 2–12–4	Wash. Grove	2.00	2.19	1.00	1.07	1.00	1.12	.70	12.00	13.00	4.00	4.46	18 A
‡Genuine Fish Brand Phosphate and Potash 2–9–5	Wash. Grove	2.00	1.99	1.00	.84	1.00	1.15	.50	9.00	9.00	5.00	5.20	35 B
Genuine Fish & Potash Brand 2–9–2	Wash. Grove	2.00	1.99	1.00	.95	1.00	1.04	.50	9.00	9.60	2.00	2.72	15 A
Genuine Fish & Potash Brand 2–9–2	Bethesda	2.00	2.20	1.00	1.12	1.00	1.08	.70	9.00	9.90	2.00	2.94	1 B
Belle Haven Ammoniated 2–8–5	Silver Spring	2.00	1.80	1.00	.67	1.00	1.13	.70	8.00	9.00	5.00	5.12	46 B
Belle Haven Ammoniated 2–8–5	Silver Spring	2.00	2.02	1.00	.87	1.00	1.15	.50	8.00	8.90	5.00	5.36	54 B
High Grade Fish & Potash Brand 2–8–3	Wash. Grove	2.00	2.13	1.00	1.16	1.00	.97	1.00	8.00	8.60	3.00	3.49	4 A
†Pure Animal Bone Meal 3.70-T.P.A. 20.60–0	Silver Spring	3.70	3.90	.....	.....	.....	.....	.....	*20.60	*21.90	.....	.....	.....
†Pure Animal Bone Meal 3.70-T.P.A. 20.60–0	Silver Spring	3.70	3.97	.....	.....	.....	.....	.....	*20.60	*21.50	.....	.....	.....
x†Pulverized Sheep Manure 1.85-T.P.A. 1.75–1.75	Silver Spring	1.85	1.85	.....	.....	.....	.....	.....	*1.75	*1.30	1.75	2.09	.....
x†Pulverized Sheep Manure 1.85-T.P.A. 1–1.75	Silver Spring	1.85	1.99	.....	.....	.....	.....	.....	*1.00	*1.10	1.75	1.92	.....
Chewsville Cooperative Association, Chewsville, Md.													
Crop Producer 3–12–6	Chewsville	3.00	3.05	2.00	2.02	1.00	1.03	1.10	12.00	12.90	6.00	6.87	100 A
Golden Harvest 2–9–5	Chewsville	2.00	2.19	1.00	1.17	1.00	1.02	.60	9.00	11.10	5.00	6.05	205 B
Phosphate & Potash 0–12–5	Chewsville	.....	.....	.....	.....	.....	.....	.30	12.00	13.60	5.00	5.50	.....
Superphosphate 0–16–0	Chewsville	.....	.....	.....	.....	.....	.....	.10	16.00	20.20	.....	.....	.....
Clark & Owings, Ellicott City, Md.													
Mixture "D" 2–9–5	Baltimore	2.00	1.78	1.00	1.01	1.00	.77	.30	9.00	9.20	5.00	6.44	47 B
Mixture "D" 2–9–5	Baltimore	2.00	2.05	1.00	1.07	1.00	.98	.40	9.00	9.10	5.00	5.17	84 A
Mixture "D" 2–9–5	Ellicott City	2.00	2.16	1.00	1.15	1.00	1.01	.30	9.00	9.20	5.00	5.90	84 B
L. Otis Cockran, Rhodesdale, Md.													

Clark & Owings' Ellicott City, Md.													
Mixture "D" 2–9–5	Baltimore	2.00	1.78	1.00	1.01	1.00	.77	.30	9.00	9.20	5.00	6.44	47 B
Mixture "D" 2–9–5	Baltimore	2.00	2.05	1.00	1.07	1.00	.98	.40	9.00	9.10	5.00	5.17	84 A
Mixture "D" 2–9–5	Ellicott City	2.00	2.16	1.00	1.15	1.00	1.01	.30	9.00	9.20	5.00	5.90	84 B
L. Otis Cockran, Rhodesdale, Md.													
0–10–10	Rhodesdale							.60	10.00	11.00	10.00	9.08	
Davison Chemical Corp., Baltimore, Md.													
Gro-All Golden Sheaf 3–12–6	Baltimore	3.00	2.99	2.40	2.47	.60	.52	.30	12.00	12.60	6.00	6.29	36 A
Ober's 3–12–6 Fertilizer	Baltimore	3.00	3.03	2.40	2.42	.60	.61	.30	12.00	12.80	6.00	6.00	157 A
Gro-All Super-Fish Brand 2–12–6	Baltimore	2.00	2.06	.50	.98	1.50	1.08	1.00	12.00	12.10	6.00	6.05	58 B
Gro-All Super-Fish Brand 2–12–6	Frederick	2.00	1.98	.50	.81	1.50	1.17	.90	12.00	12.40	6.00	6.17	74 B
Gro-All 2–12–6 Fertilizer	Frederick	2.00	1.98	1.60	1.42	.40	.56	.80	12.00	11.80	6.00	6.13	124 A
Davco Homogenous Granulated Fert. 2–12–6	Baltimore	2.00	2.03	2.00	2.01	0.00	.02	.60	12.00	12.60	6.00	6.00	111 B
Millers 2–12–6 Fertilizer	Baltimore	2.00	2.01	1.60	1.61	.40	.40	.20	12.00	12.80	6.00	6.21	38 A
Millers 2–12–6 Fertilizer	Baltimore	2.00	2.11	1.60	1.60	.40	.51	.70	12.00	12.30	6.00	6.29	5 A
Ober's 2–12–6 Fertilizer	Baltimore	2.00	2.01	1.60	1.60	.40	.41	.40	12.00	12.80	6.00	6.44	53 A
Davco Homogenous Granulated Fertilizer 2–12–4	Frederick	2.00	2.47	2.00	2.33	0.00	.14	.70	12.00	12.50	4.00	4.50	72 B
Gro-All Grain Food 2–12–4	Baltimore	2.00	1.99	1.60	1.46	.40	.53	.60	12.00	12.40	4.00	4.26	48 A
Millers 2–12–4 Fertilizer	Baltimore	2.00	1.98	1.60	1.47	.40	.51	.50	12.00	12.40	4.00	4.38	25 A
Millers 2–12–4 Fertilizer	Baltimore	2.00	1.98	1.60	1.60	.40	.38	.70	12.00	12.60	4.00	4.19	51 A
Millers 2–12–4 Fertilizer	Baltimore	2.00	1.92	1.60	1.47	.40	.45	.50	12.00	12.80	4.00	4.04	87 B
Ober's 2–12–4 Fertilizer	Baltimore	2.00	2.02	1.60	1.52	.40	.50	.50	12.00	12.10	4.00	4.26	56 A
Davco Homogenous Granulated Fertilizer 2–9–5	Frederick	2.00	2.39	2.00	2.19	00.0	.20	.60	9.00	9.90	5.00	5.50	118 B
Davco Homogenous Granulated Fertilizer 2–9–5	Baltimore	2.00	2.33	2.00	2.30	0.00	.03	.60	9.00	10.20	5.00	5.50	90 A
Davco Homogenous Granulated Fertilizer 2–9–5	Baltimore	2.00	2.20	2.00	2.19	0.00	.01	.50	9.00	9.90	5.00	5.20	147 B
Gro-All Excelsior 2–9–5	Frederick	2.00	2.04	1.60	1.75	.40	.29	.40	9.00	9.40	5.00	5.20	316 B
Millers 2–9–5 Fertilizer	Baltimore	2.00	1.98	1.60	1.54	.40	.44	.50	9.00	9.30	5.00	5.28	155 B
Millers 2–9–5 Fertilizer	Baltimore	2.00	1.97	1.60	1.48	.40	.49	.30	9.00	9.60	5.00	5.31	1 B
Millers 2–9–5 Fertilizer	Baltimore	2.00	1.98	1.60	1.50	.40	.48	.40	9.00	9.60	5.00	5.20	32 A
Millers 2–9–5 Fertilizer	Baltimore	2.00	1.98	1.60	1.47	.40	.51	.40	9.00	9.20	5.00	5.24	18 B
Millers –9–5 Fertilizer	Baltimore	2.00	2.06	1.60	1.46	.40	.60	.50	9.00	9.50	5.00	5.16	42 B
Ober's 2–9–5 Fertilizer	Baltimore	2.00	1.99	1.50	1.52	.50	.47	.80	9.00	9.10	5.00	5.20	46 B
Gro-All Imperial 2–8–10	Baltimore	2.00	1.99	1.50	1.66	.50	.33	.50	8.00	8.60	10.00	10.30	25 A
Millers 2–8–10	Baltimore	2.00	1.99	1.50	1.54	.50	.45	.40	8.00	8.60	10.00	10.08	32 A
Millers 2–8–10	Baltimore	2.00	1.88	1.50	1.47	.50	.41	.40	8.00	9.00	10.00	9.48	8 A
Ober's 2–8–10 Fertilizer	Baltimore	2.00	2.04	1.50	1.59	.50	.45	.50	8.00	8.60	10.00	10.44	47 A
Gro-All Crown Jewel 1–10–5	Baltimore	1.00	1.12	.50	.70	.50	.42	.50	10.00	10.60	5.00	5.28	56 B

‡Not Licensed at time of Sale. *Total Phosphoric Acid. †Total Phosphoric Acid guarantee on sack differs from license.
xPotash guarantee on sack differs from license.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Davison Chemical Corp., Baltimore, Md. (Continued)													
Gro-All Crown Jewel 1–10–5	Frederick	1.00	1.24	.50	.95	.50	.29	.40	10.00	10.20	5.00	5.28	4.15B
Ober's 1–10–5 Fertilizer	Baltimore	1.00	1.10	.50	.79	.50	.31	.50	10.00	10.00	5.00	5.04	97B
Davison Dried Fish Scrap 9-T.P.A.5.50–0	Denton	9.00	9.48						*5.50	*5.40			
Davison Sheep and or Goat Manure 1.25–T. P. A. 1–2	Baltimore	1.25	1.85						*1.00	*2.10	2.00	3.50	
Millers 0–10–10 Fertilizer	Baltimore							.70	10.00	10.30	10.00	10.40	
Davco Homogenous Granulated 0–12–5 Fertilizer	Baltimore							1.20	12.00	12.20	5.00	5.28	
Ober's 0–12–5 Fertilizer	Baltimore							.80	12.00	12.60	5.00	5.42	
Davison Superphosphate 0–20–0	Baltimore							.30	20.00	21.50			
Ober's Superphosphate 0–20–0	Baltimore							.80	20.00	20.20			
Gro-All Dissolved Phosphate 0–16–0	Frederick							1.30	16.00	16.00			
Millers Superphosphate 0–16–0	Baltimore							1.00	16.00	16.10			
Ober's Superphosphate 0–16–0	Baltimore							.80	16.00	16.10			
Millers Lime & Phosphate 0–16–0	Baltimore							1.00	16.00	16.60			
Devilbiss Bros., New Windsor, Md.													
2–12–6	New Windsor	2.00	2.50	1.80	2.08	.20	.42	.60	12.00	12.00	6.00	7.10	66 A
Butcher House 2–9–5	New Windsor	2.00	2.26	1.60	1.94	.40	.32	.70	9.00	10.00	5.00	6.12	29 B
Wheat Grower 1–10–5	New Windsor	1.00	1.38	.80	1.05	.20	.33	.80	10.00	10.40	5.00	6.68	88 B
Superphosphate 0–16–0	New Windsor							.60	16.00	19.40			
Dorchester Fertilizer Co., Cambridge, Md.													
Imperial 3–12–6	Cambridge	3.00	2.99	2.75	2.42	.25	.57	1.50	12.00	11.00	6.00	6.86	139 A
Diamond 2–12–4	Cambridge	2.00	2.02	1.50	1.71	.50	.31	.80	12.00	11.50	4.00	5.28	5 B
Diamond 2–12–4	Cambridge	2.00	2.32	1.50	1.67	.50	.65	1.50	12.00	11.60	4.00	4.70	5 A
Producer 2–9–5	Cambridge	2.00	2.06	1.90	1.94	.10	.12	.50	9.00	9.80	5.00	5.05	62 B
Producer 2–9–5	Cambridge	2.00	2.16	1.90	2.08	.10	.08	1.30	9.00	8.30	5.00	5.40	196 B
Favorite 2–8–10	Cambridge	2.00	2.08	1.90	2.01	.10	.07	1.10	8.00	8.30	10.00	10.16	115 B
Favorite 2–8–10	Cambridge	2.00	2.12	1.90	2.08	.10	.04	1.20	8.00	8.20	10.00	10.40	10 A
Standard 0–10–10	Cambridge							1.20	10.00	10.10	10.00	10.20	
Standard 0–10–10	Cambridge							1.60	10.00	9.60	10.00	10.24	
Harvest 0–12–5	Cambridge							1.40	12.00	12.00	5.00	5.62	
Harvest 0–12–5	Cambridge												

Standard 0–10–10	Cambridge						1.20	10.00	10.10	10.00	10.20		
Standard 0–10- 10	Cambridge						1.60	10.00	9.60	10.00	10.24		
Harvest 0–12–5	Cambridge						1.40	12.00	12.00	5.00	5.62		
Harvest 0–12–5	Cambridge						1.50	12.00	11.90	5.00	5.42		
Superphosphate 0–16–0	Cambridge						1.70	16.00	15.70				
Edelen Bros., Baltimore, Md.													
Edelen's Wheat & Grain Mixture 2–9–5	Baltimore	2.00	1.92	1.40	1.40	.60	.52	.40	9.00	9.70	5.00	5.28	190 B
Edelen's Wheat & Grain Mixture 2–9–5	Baltimore	2.00	1.94	1.40	1.38	.60	.56	.50	9.00	9.40	5.00	5.39	97 B
Edelen's Wheat & Grain Mixture 2–9–5	Baltimore	2.00	1.98	1.40	1.38	.60	.60	.40	9.00	9.10	5.00	5.35	2 A
Emporia Elevator & Feeding Co., Emporia, Kan.													
"Big Sheep" Brand Pulverized Sheep Manure 2–T.P.A. 1–2	Baltimore	2.00	1.80						*1.00	*2.00	2.00	3.68	
Cattle Manure 1.85–T.P.A. .75–1.75	Baltimore	1.85	1.49						*.75	*1.60	1.75	2.17	
Farmers Cooperative Association, Inc., Frederick, Md.													
Sure Crop 2-12-6	Frederick	2.00	2.46	1.50	1.54	.50	.92	1.50	12.00	12.60	6.00	6.29	1.80A
Wheat & Grass Special 2–9–5	Frederick	2.00	2.25	1.60	1.36	.40	.89	1.00	9.00	9.70	5.00	5.44	12 B
Wheat & Grass Special 2–9–5	Frederick	2.00	2.39	1.60	1.40	.40	.99	.90	9.00	9.80	5.00	6.02	80 B
Rock & Potash Special 0–12–5	Frederick							1.60	12.00	12.10	5.00	5.50	
Superphosphate 0–16–0	Frederick							1.40	16.00	16.10			
Farmers Fertilizer & Feed Co., Westminster, Md.													
Superior 2–12–6	Westminster	2.00	2.16	1.40	1.49	.60	.67	1.20	12.00	12.20	6.00	6.29	11 A
High Grade 2–9–5	Westminster	2.00	2.02	1.40	1.43	.60	.59	.40	9.00	9.50	5.00	5.28	12 B
High Grade 2–9–5	Westminster	2.00	2.05	1.40	1.43	.60	.62	1.10	9.00	9.10	5.00	5.74	106 B
Farmers Potash Special 2–8–10	Westminster	2.00	2.01	1.40	1.50	.60	.51	.70	8.00	7.60	10.00	10.70	128 B
Farmers Potash Special 2–8–10	Westminster	2.00	2.11	1.40	1.46	.60	.65	.80	8.00	8.40	10.00	10.24	102 B
Farmer's Favorite 1–10–5	Westminster	1.00	1.14	.50	.62	.50	.52	1.00	10.00	10.10	5.00	5.00	101 B
Farmer's Favorite 1–10–5	Westminster	1.00	1.12	.50	.67	.50	.45	.90	10.00	10.50	5.00	5.90	135 B
Superphosphate & Potash 0–12–5	Westminster							1.00	12.00	12.10	5.00	5.20	
Superphosphate & Potash 0–12–5	Westminster							1.40	12.00	12.10	5.00	5.44	
Superphosphate 0–16–0	Westminster							.70	16.00	16.40			
Farmers & Planters Co., Salisbury, Md.													
XX Potash Mixture 3–8–10	Salisbury	3.00	3.12	2.10	2.39	.90	.73	.50	8.00	8.20	10.00	10.08	175 B
Fish Brand 2–9–5	Salisbury	2.00	2.11	1.40	1.38	.60	.73	1.00	9.00	9.10	5.00	6.29	327 B
Sweet Potato Special 2–8–10	Pocomoke City	2.00	1.98	1.40	1.36	.60	.62	.90	8.00	7.70	10.00	10.54	424 B
Griffith & Boyd Co., Baltimore, Md.													
Griffith & Boyd Co's Special Potato Fertilizer 3–8–8	Laurel	3.00	3.02	2.40	2.43	.60	.59	.30	8.00	8.40	8.00	8.24	87 A

*Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Griffith & Boyd Co., Baltimore, Md. (Continued)													
Griffith & Boyd Co's High Grade Economizer 2–12–6	Baltimore	2.00	2.04	1.40	1.48	.60	.56	.70	12.00	12.80	6.00	6.60	63 A
Griffith & Boyd Co's High Grade Economizer 2–12–6	Baltimore	2.00	1.99	1.40	1.32	.60	.67	.70	12.00	12.70	6.00	6.25	31 A
Griffith & Boyd Co's Reliable Crop Grower 2–12–4	Baltimore	2.00	2.05	1.40	1.38	.60	.67	.60	12.00	12.30	4.00	4.12	30 A
Griffith & Boyd Co's Reliable Crop Grower 2–12–4	Fallston	2.00	2.29	1.40	1.66	.60	.63	.40	12.00	11.70	4.00	4.62	113 A
Griffith & Boyd Co's Special Guano 2–9–5	Baltimore	2.00	1.99	1.40	1.36	.60	.63	.30	9.00	9.60	5.00	5.24	50 B
Griffith & Boyd Co's Special Guano 2–9–5	Elkton	2.00	2.01	1.40	1.35	.60	.66	.40	9.00	9.30	5.00	5.28	63 A
Griffith & Boyd Co's Special Guano 2–9–5	Laurel	2.00	2.18	1.40	1.56	.60	.62	.30	9.00	9.70	5.00	5.12	13 B
Griffith & Boyd Co's Peerless Fert. 1–10–5	Baltimore	1.00	1.07	.20	.17	.80	.90	.50	10.00	10.60	5.00	5.28	108 B
Griffith & Boyd Co's Pure Fine Ground Bone Meal 3.70-T.P.A. 20–0	Baltimore	3.70	4.14	.....	.....	.....	.....	.....	*20.00	*22.60	.....	.....	.....
‡Griffith & Boyd Co's Gem Phosphate 0–10–10	Baltimore	.....	.....	.....	.....	.....	.....	.50	10.00	10.10	10.00	10.24	.....
Griffith & Boyd Co's Acid Phos. 0–16–0	Baltimore	.....	.....	.....	.....	.....	.....	.60	16.00	17.60	.....	.....	.....
Griffith & Turner Co., Baltimore, Md.													
Griffith & Turner Co's Garden Fert. 4–8–7	Baltimore	4.00	3.99	3.20	2.95	.80	1.04	.20	8.00	9.20	7.00	6.75	208 A
Griffith & Turner Co's Rose Fert. 3–12–6	Baltimore	3.00	3.00	2.10	1.91	.90	1.09	1.00	12.00	12.10	6.00	6.43	115 A
Griffith & Turner Co's Soft Ground Bone 3–T.P.A. 14–0	Baltimore	3.00	2.08	.....	.....	.....	.....	.....	*14.00	*16.10	.....	.....	.....
Hampstead Fertilizer Co., Hampstead, Md.													
Hampstead's 2-9–5	Hampstead	2.00	1.80	1.40	1.24	.60	.56	.20	9.00	9.30	5.00	5.12	190 B
Hampstead's 2–9–5	Hampstead	2.00	2.04	1.40	1.54	.60	.50	.20	9.00	9.60	5.00	5.49	121 B
Hampstead's 1–10–5	Hampstead	1.00	1.17	.60	.74	.40	.43	.20	10.00	10.40	5.00	5.31	262 B
Hampstead's Superphosphate 0–16–0	Hampstead	.....	.....	.....	.....	.....	.....	1.60	16.00	15.60	.....	.....	.....
A. H. Hoffman, Inc., Landisville, Pa.													
Hoffman's Bone Meal 3.70–T.P.A. 20–0	Baltimore	3.70	3.68	.....	.....	.....	.....	.....	*20.00	*22.90	.....	.....	.....
Horsey, Roe & Co., Greensboro, Md.													
Suregro 2–9–5	Greensboro	2.00	2.79	1.40	1.43	.60	.76	.40	9.00	9.10	5.00	5.94	139 B
Phosphate & Potash 0–10–10	Greensboro												

A. H. Hoffman, Inc., Landisville, Pa.													
Hoffman's Bone Meal 3.70–T.P.A. 20–0 ..	Baltimore	3.70	3.68						*20.00	*22.90			
Horsey, Roe & Co., Greensboro, Md.													
Suregro 2–9–5	Greensboro	2.00	2.79	1.40	1.43	.60	.76	.40	9.00	9.10	5.00	5.94	139 B
Phosphate & Potash 0–10–10	Greensboro							.30	10.00	10.60	10.00	10.82	
Wheat Special 0–12–7	Greensboro							.20	12.00	12.10	7.00	8.16	
Wheat Fertilizer 0–12–5	Greensboro							.50	12.00	12.40	5.00	5.74	
Huston, Culver & Co., Inc., Seaford, Del.													
Crop Grower 2–9–5		2.00	2.57	1.50	1.97	.50	.60	.20	9.00	10.50	5.00	7.06	152 B
Crop Grower 2–9–5	Federalsburg	2.00	2.29	1.50	1.77	.50	.52	.40	9.00	8.40	5.00	6.91	317 B
Crop Grower 2–9–5	Federalsburg	2.00	2.50	1.50	2.15	.50	.35	.20	9.00	9.40	5.00	6.52	25 B
Sussex Special 2–8–10		2.00	2.39	1.50	1.70	.50	.69	.30	8.00	10.30	10.00	10.00	146 B
Huston's Special 1–10–5		1.00	1.60	.50	1.05	.50	.55	.50	10.00	10.70	5.00	5.20	379 B
Wheat Special 0–10–10								.30	10.00	10.90	10.00	13.20	
Double Potash Mixture 0–12–5								.30	12.00	12.30	5.00	7.14	
Double Potash Mixture 0–12–5	Federalsburg							.70	12.00	9.80	5.00	5.86	
Koller Fertilizer Co., Glen Rock, Pa.													
Koller's Super Ammoniated Phos. 2–9–5	Lineboro	2.00	1.98	1.00	1.12	1.00	.86	.40	9.00	9.40	5.00	5.59	48 B
Maryland Milling & Supply Co., Sykesville, Md.													
2–12–5 1936 Special Crop Mixture	Sykesville	2.00	2.02	1.75	1.83	.25	.19	.70	12.00	12.20	5.00	5.52	48 B
2–9–5 Newman's Favorite	Sykesville	2.00	1.99	1.50	1.60	.50	.38	.70	9.00	10.60	5.00	6.44	131 A
1–10–5 Dietrich's Favorite	Sykesville	1.00	1.02	.75	.74	.25	.28	.80	10.00	10.70	5.00	5.50	129 A
Superphosphate 0–16–0	Sykesville							.40	16.00	16.90			
Maryland Tobacco Growers' Association Baltimore, Md.													
‡Md. Assoc. Brand 2–12–6	Baltimore	2.00	2.06	1.75	1.64	.25	.42	.70	12.00	12.90	6.00	6.21	336 B
‡Md. Assoc. Brand 2–9–5 Fert.	Baltimore	2.00	2.04	1.75	1.51	.25	.53	.80	9.00	9.90	5.00	5.14	434 B
Md. Assoc. Brand 2–9–5 Fert.	Baltimore	2.00	2.02	1.75	1.53	.25	.49	.70	9.00	9.60	5.00	5.02	608 B
Md. Assoc. Brand 2–9–5 Fert.	Baltimore	2.00	2.02	1.75	1.53	.25	.49	.70	9.00	10.00	5.00	5.38	528 B
‡Md. Assoc. Brand 1–10–5	Baltimore	1.00	1.05	.80	.70	.20	.35	.70	10.00	10.60	5.00	5.44	533 B
Md. Assoc. Brand 1–10–5	Baltimore	1.00	1.56	.80	1.25	.20	.31	.60	10.00	10.50	5.00	5.40	447 B
‡Md. Assoc. Brand Superphosphate 0–16–0	Baltimore							.90	16.00	16.80			
Massey & Wilmer, Chestertown. Md.													
2–12–4	Chestertown	2.00	2.18	1.00	1.36	1.00	.82	.30	12.00	12.40	4.00	5.40	63 B
Trustworthy 2–9–5	Chestertown	2.00	2.05	1.00	1.04	1.00	1.01	.50	9.00	9.40	5.00	6.29	293 B
Crop Producer 1–10–5	Chestertown	1.00	1.04	.80	.67	.20	.37	.50	10.00	10.80	5.00	6.44	359 B
0–10–10	Chestertown							1.30	10.00	10.30	10.00	10.00	
0–12–5	Chestertown							1.20	12.00	12.30	5.00	7.22	
Super-Phosphate 0–16–0	Chestertown							.40	16.00	19.30			

‡Not Licensed at time of Sale. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Medford Fertilizer Works, Medford, Md.													
2–9–5	Medford	2.00	2.08	1.50	1.68	.50	.40	.40	9.00	9.50	5.00	5.62	65 B
2–9–5	Medford	2.00	1.71	1.50	1.33	.50	.38	1.00	9.00	8.20	5.00	5.44	101 B
1–10–5	Medford	1.00	1.11	.75	.76	.25	.35	.40	10.00	10.20	5.00	5.59	139 B
1–10–5	Medford	1.00	1.11	.75	.70	.25	.41	.30	10.00	10.60	5.00	5.90	9 A
0–12–5	Medford							1.00	12.00	12.20	5.00	5.94	
0–12–5	Medford							.90	12.00	12.10	5.00	5.74	
Frederick Mehring Fertilizer Works, Inc., Keymar, Md.													
Mehring's Indian Chief 2–12–6	Keymar	2.00	2.02	1.60	1.52	.40	.50	.70	12.00	12.50	6.00	6.29	48 B
Mehring's Indian Chief 2–12–6	Keymar	2.00	2.19	1.60	1.67	.40	.52	.60	12.00	12.40	6.00	6.29	55 B
Mehring's Mammouth Tk. Grower 2–9–5	Keymar	2.00	2.04	1.60	1.49	.40	.55	.60	9.00	10.00	5.00	5.20	140 B
Mehring's Mammouth Tk. Grower 2–9–5	Taneytown	2.00	2.11	1.60	1.68	.40	.43	.50	9.00	9.50	5.00	5.35	131 B
Mehring's Mammouth Tk. Grower 2–9–5	Keymar	2.00	2.01	1.60	1.68	.40	.33	.60	9.00	9.10	5.00	5.40	151 B
Mehring's Big 4 1–10–5	Keymar	1.00	1.02	.60	.79	.40	.23	.70	10.00	10.30	5.00	5.12	254 B
Mehring's Potash Mixture 0–12–5	Keymar							.50	12.00	12.00	5.00	5.94	
‡Muriate of Potash 0–0–50	Taneytown										50.00	52.00	
Mehring's Superphosphate 0–20–0	Keymar							.30	20.00	20.70			
Mehring's Superphosphate 0–16–0	Baltimore							.50	16.00	16.50			
Mehring's Superphosphate 0–16–0	Woodsboro							.90	16.00	16.20			
Mt. Airy Canning Co., Preston, Md.													
‡Wheat & Corn Fertilizer 3–12–6	Mt. Airy	3.00	3.03	1.50	1.12	1.50	1.91	1.90	12.00	11.40	6.00	6.91	18 B
Pacific Manure & Fertilizer Co., San Francisco, Calif.													
Groz-It Brand Pulverized Sheep Manure 1.25 T. P. A. 1–2	Baltimore	1.25	1.24						*1.00	*1.00	2.00	2.56	
Peerless Fertilizer Co., Chestertown, Md.													
‡2–12–4	Salisbury	2.00	2.74	1.50	2.44	.50	.30	.40	12.00	10.30	4.00	4.19	159 A
Our Peerless 2–9–5	Chestertown	2.00	2.18	1.75	1.68	.25	.50	.30	9.00	9.10	5.00	5.12	27 A
2–8–10	Salisbury	2.00	1.97	1.50	1.52	.50	.45	.30	8.00	8.40	10.00	10.08	9 A
2–8–10	Salisbury	2.00	1.90	1.50	.59	.50	1.31	.30	8.00	8.30	10.00	10.08	3 B

2–8–10	Salisbury	2.00	1.90	1.50	.59	.50	1.31	.30	8.00	8.30	10.00	10.08	3 B
Imperial Compound 1–10–5	Chestertown	1.00	1.08	.85	.70	.15	.38	.30	10.00	10.20	5.00	5.00	42 B
0–10–10 Fertilizer	Chestertown							.40	10.00	10.00	10.00	10.40	
0–12–5 Fertilizer	Chestertown							.50	12.00	12.10	5.00	5.28	
Plantabbs Corp., Baltimore, Md.													
Fulton's Plantabbs 11-T.P.A. 15–20	Baltimore	11.00	10.99						*15.00	*19.00	20.00	27.92	
Potomac Poultry Food Co., Inc., Baltimore, Md.													
4% Potash Potolime, Baked Oyster Shell Lime	Crisfield										4.00	4.19	
Warner W. Price, Smyrna, Del.													
2–12–6, Ralph's Imp. Wheat Formula		2.00	2.25	1.00	1.32	1.00	.93	1.00	12.00	12.50	6.00	7.06	2 B
2–9–5 L. & P.		2.00	2.05	1.25	1.15	.75	.90	.60	9.00	9.10	5.00	5.41	150 B
2–8–10, Double X		2.00	2.12	1.25	1.35	.75	.77	.70	8.00	8.40	10.00	11.02	144 B
0–12–5								.30	12.00	12.70	5.00	5.67	
Superphosphate 0–16–0								.50	16.00	15.20			
Pulverized Manure Co., Chicago, Ill.													
Wizard Brand Cow Manure 2–T.P.A. 1–1	Hyattsville	2.00	2.08						*1.00	*1.50	1.00	1.16	
Wizard Brand Pulverized Sheep Manure 2–T.P.A. 1–2	Hyattsville	2.00	2.02						*1.00	*1.60	2.00	4.58	
Ramsburg Fertilizer Co., Frederick, Md.													
Royal Crop Grower 2–12–6	Frederick	2.00	1.83	1.30	1.15	.70	.68	.50	12.00	12.60	6.00	6.13	171 B
Royal Crop Grower 2–12–6	Frederick	2.00	2.02	1.30	1.24	.70	.78	.70	12.00	12.80	6.00	6.03	108 B
Excelsior Plant Food 2–12–4	Frederick	2.00	2.02	1.30	1.31	.70	.71	.70	12.00	12.60	4.00	5.04	168 B
Excelsior Plant Food 2–12–4	Frederick	2.00	2.11	1.30	1.17	.70	.94	.60	12.00	12.70	4.00	4.44	178 B
Old Virginia Compound 2–9–5	Frederick	2.00	2.19	1.30	1.50	.70	.69	.70	9.00	9.90	5.00	5.44	342 B
Old Virginia Compound 2–9–5	Frederick	2.00	2.01	1.30	1.29	.70	.72	.30	9.00	10.00	5.00	5.00	369 B
Ammoniated Phosphate 1–10–5	Frederick	1.00	1.01	.45	.62	.55	.39	.90	10.00	10.20	5.00	5.62	449 B
Ammoniated Phosphate 1–10–5	Frederick	1.00	1.28	.45	.70	.55	.58	.50	10.00	10.50	5.00	5.45	530 B
Special Rock and Potash 0–12–5	Frederick							.20	12.00	12.20	5.00	5.20	
Special Rock and Potash 0–12–5	Frederick							.30	12.00	12.70	5.00	5.48	
Super Phosphate 0–16–0	Frederick							.40	16.00	16.80			
Read Drug & Chemical Co., Baltimore, Md.													
Plantgro 4–12–4	Baltimore	4.00	4.38	4.00	3.95	0.00	.43	3.00	12.00	12.50	4.00	4.19	
Reindollar Co., Taneytown, Md.													
Grain Grower 2–12–6	Taneytown	2.00	1.99	1.40	.73	.60	1.26	.60	12.00	13.50	6.00	6.21	72 B

‡Not Licensed at time of Sale.

*Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Reindollar Co., Taneytown, Md. (Continued)													
Crop Grower 2–9–5	Taneytown	2.00	2.02	1.50	1.43	.50	.59	.40	9.00	9.80	5.00	5.50	67 B
Superphosphate 0–16–0	Taneytown	.....	.....	.....	.....	.....	.....	.40	16.00	16.60	.....	.....	.....
F. S. Royster Guano Co., Baltimore, Md.													
Royster Special Trucker 4–8–5	Baltimore	4.00	4.02	3.20	3.03	.80	.99	.50	8.00	8.30	5.00	5.32	28 A
Royster 2–12–6 Fertilizer	Baltimore	2.00	1.98	1.60	1.43	.40	.55	.50	12.00	12.00	6.00	6.36	75 B
Royster 2–12–6 Fertilizer	Baltimore	2.00	2.06	1.60	1.47	.40	.59	.50	12.00	12.10	6.00	6.21	32 B
Royster Big Bully Guano 2–9–5	Baltimore	2.00	1.98	1.60	1.32	.40	.66	.60	9.00	9.10	5.00	5.40	72 B
Royster Big Bully Guano 2–9–5	Baltimore	2.00	2.12	1.60	1.68	.40	.44	.50	9.00	9.40	5.00	5.28	110 B
Royster Surety Guano 1–10–5	Baltimore	1.00	1.04	.60	.49	.40	.55	.70	10.00	10.10	5.00	5.20	63 B
‡Royster Slaughter House Tankage 8–0–0	Cambridge	8.00	7.96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
‡Royster Raw Bone Meal 3.70–T.P.A. 20.60–0	Baltimore	3.70	3.79	.....	.....	.....	.....	.....	*20.60	*20.70	.....	.....	.....
Royster Phosphate & Potash 0–10–10	Baltimore	.....	.....	.....	.....	.....	.....	.50	10.00	10.30	10.00	10.40	.....
Royster Phosphate & Potash 0–10–10	Baltimore	.....	.....	.....	.....	.....	.....	.60	10.00	10.00	10.00	10.24	.....
Royster Phosphate & Potash 0–12–5	Baltimore	.....	.....	.....	.....	.....	.....	.50	12.00	12.40	5.00	5.41	.....
Royster Phosphate & Potash 0–12–5	Baltimore	.....	.....	.....	.....	.....	.....	.50	12.00	12.20	5.00	5.40	.....
Royster Phosphate & Potash 0–12–5	Baltimore	.....	.....	.....	.....	.....	.....	.60	12.00	12.10	5.00	5.32	.....
Royster Superphosphate 0–20–0	Cambridge	.....	.....	.....	.....	.....	.....	.60	20.00	20.00	.....	.....	.....
Royster Superphosphate 0–16–0	Cambridge	.....	.....	.....	.....	.....	.....	.60	16.00	16.40	.....	.....	.....
Royster Superphosphate 0–16–0	Baltimore	.....	.....	.....	.....	.....	.....	.60	16.00	17.10	.....	.....	.....
Royster Muriate of Potash 0–0–48	Baltimore	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.00	50.40	.....
Royster Muriate of Potash 0–0–48	Cambridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.00	52.80	.....
F. Rynveld & Sons, Inc., New York, N. Y.													
Rynveld's Bone Meal Fertilizer 2.47–T.P.A. 22–0	Baltimore	2.47	2.46	.....	.....	.....	.....	.....	*22.00	*25.20	.....	.....	.....
Wm. G. Scarlett & Co., Baltimore, Md.													
Scarlett's Greenway Brand Bone Meal 2.50–T.P.A. 24–0	Baltimore	2.50	2.49	.....	.....	.....	.....	.....	*24.00	*24.40	.....	.....	.....
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.													
Esskay Quality Plant Food 5–9–4	Baltimore	5.00	5.71	0.00	.07	5.00	5.64	5.10	9.00	10.40	4.00	4.00	193 B

Wm. G. Scarlett & Co., Baltimore, Md.													
Scarlett's Greenway Brand Bone Meal 2.50–T.P.A. 24–0	Baltimore	2.50	2.49	.....	.....	.....	.....	.....	*24.00	*24.40	.....	.....	.....
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.													
Esskay Quality Plant Food 5–9–4	Baltimore	5.00	5.71	0.00	.07	5.00	5.64	5.10	9.00	10.40	4.00	4.00	193 B
M. L. Shoemaker & Co., Inc., Philadelphia, Pa.													
‡Shoemaker's "Swift-Sure" 2–8–10	Goldsboro	2.00	2.12	1.40	1.50	.60	.62	.40	8.00	8.60	10.00	11.02	113 B
R. H. Slingluff Fertilizer Co., Baltimore, Md.													
Slingluff's 4–12–4	Baltimore	4.00	3.48	3.50	2.74	.50	.74	.60	12.00	12.10	4.00	4.58	141 A
Slingluff's 4–12–4	Baltimore	4.00	3.75	3.50	3.30	.50	.45	.50	12.00	12.60	4.00	4.42	188 A
Slingluff's Grain & Grass 2–12–4	Baltimore	2.00	1.99	1.40	1.46	.60	.53	.40	12.00	12.90	4.00	4.28	22 A
Slingluff's Grain & Grass 2–12–4	Baltimore	2.00	2.01	1.40	1.45	.60	.56	.40	12.00	12.20	4.00	4.48	33 A
Slingluff's Champion Phosphate 2–9–5	Baltimore	2.00	2.01	1.40	1.38	.60	.63	.80	9.00	9.40	5.00	5.12	35 B
Slingluff's Champion Phosphate 2–9–5	Baltimore	2.00	1.99	1.40	1.36	.60	.63	.40	9.00	9.00	5.00	5.50	2 A
Slingluff's Champion Phosphate 2–9–5	Baltimore	2.00	1.91	1.40	1.35	.60	.56	.30	9.00	9.50	5.00	5.12	17 A
Slingluff's Champion Phosphate 2–9–5	Baltimore	2.00	2.15	1.40	1.33	.60	.82	1.20	9.00	9.10	5.00	5.42	39 B
Slingluff's Acid Phosphate 0–16–0	Baltimore	.....	.....	.....	.....	.....	.....	.40	16.00	16.70	.....	.....	.....
Slingluff's Acid Phosphate 0–16–0	Baltimore	.....	.....	.....	.....	.....	.....	.80	16.00	15.90	.....	.....	.....
Southern States Cooperative, Inc., Richmond, Va.													
Southern States Quality 4–8–5 Open Formula	Baltimore	4.00	4.04	3.20	3.00	.80	1.04	.60	8.00	9.60	5.00	5.67	249 B
Southern States Quality 3–12–6 Closed Formula	Baltimore	3.00	2.99	2.40	2.20	.60	.79	.90	12.00	12.50	6.00	6.74	168 B
Southern States Quality 3–12–6 Open Formula	Baltimore	3.00	3.09	2.40	2.34	.60	.75	1.40	12.00	12.40	6.00	5.98	80 B
Southern States Quality 3–12–6 Open Formula	Chestertown	3.00	2.90	2.40	1.96	.60	.94	1.10	12.00	11.30	6.00	7.26	155 B
Southern States Quality 2–12–6 Open Formula	Baltimore	2.00	2.27	1.60	1.67	.40	.60	.70	12.00	12.10	6.00	6.36	309 B
Southern States Quality 2–12–6 Open Formula	Baltimore	2.00	2.11	1.60	1.56	.40	.55	1.30	12.00	12.20	6.00	6.44	258 B
Southern States Quality 2–12–4 Open Formula	Baltimore	2.00	2.03	1.60	1.49	.40	.54	.80	12.00	12.90	4.00	4.44	345 B
Southern States Quality 2–12–4 Open Formula	Bel Air	2.00	2.01	1.60	1.40	.40	.61	1.30	12.00	12.10	4.00	4.42	321 B
Southern States Quality 2–12–4 Open Formula	Bel Air	2.00	2.02	1.60	1.35	.40	.67	.90	12.00	12.10	4.00	5.35	223 B
Southern States Quality 2–12–4	Jessups	2.00	2.06	.....	.....	.....	.....	1.10	12.00	12.80	4.00	4.66	.....
Southern States Quality 2–9–5 Open Formula	Baltimore	2.00	2.11	1.60	1.74	.40	.37	.90	9.00	9.00	5.00	5.74	620 B
Southern States Quality 2–9–5 Open Formula	Bel Air	2.00	2.12	1.60	1.41	.40	.71	.80	9.00	10.00	5.00	5.90	341 B

‡Not Licensed at time of Sale. * Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Southern States Corporative, Inc., Richmond	**Va., (Continued)**												
Southern States Quality 2–9–5 Open Formula	Union Bridge	2.00	1.92	1.60	1.32	.40	.60	1.10	9.00	10.10	5.00	5.00	340 B
Southern States Quality 2–9–5 Open Formula	Chestertown	2.00	1.98	1.60	1.19	.40	.79	1.10	9.00	9.30	5.00	5.16	508 B
Southern States Quality 2–9–5 Open Formula	Denton	2.00	2.12	1.60	1.62	.40	.50	.60	9.00	9.30	5.00	5.16	487 B
Southern States Quality 2–9–5 Open Formula	Baltimore	2.00	2.08	1.60	1.29	.40	.79	.80	9.00	9.10	5.00	5.67	463 B
Southern States Quality 2–9–5 Closed Formula	Baltimore	2.00	2.02	1.60	1.58	.40	.44	.70	9.00	9.50	5.00	5.35	598 B
Southern States Quality 2–9–5 Closed Formula	Baltimore	2.00	2.12	1.60	1.66	.40	.46	.70	9.00	9.80	5.00	5.44	454 B
Southern States Quality 2–9–5 Closed Formula	Baltimore	2.00	2.11	1.60	1.42	.40	.69	1.10	9.00	9.40	5.00	5.44	524 B
Southern States Quality 2–9–5 Closed Formula	Westminster	2.00	2.06	1.60	1.52	.40	.54	.80	9.00	9.20	5.00	5.50	473 B
Southern States Quality 2–9–5 Closed Formula	Westminster	2.00	1.99	1.60	1.26	.40	.73	1.10	9.00	10.00	5.00	5.04	408 B
Southern States Quality 0–10–10 Open Formula	Baltimore	.....	.....	.....	.....	.....	.....	.60	10.00	11.00	10.00	10.08	.....
Southern States Quality 0–12–5 Open Formula	Denton	.....	.....	.....	.....	.....	.....	1.10	12.00	12.60	5.00	4.46	.....
Southern States Quality 0–12–5 Open Formula	Chestertown	.....	.....	.....	.....	.....	.....	1.00	12.00	11.60	5.00	5.12	.....
Southern States Quality 0–12–5 Open Formula	Baltimore	.....	.....	.....	.....	.....	.....	1.10	12.00	12.20	5.00	5.43	.....
Southern States Quality 0–12–5 Open Formula	Union Bridge	.....	.....	.....	.....	.....	.....	.60	12.00	12.20	5.00	5.40	.....
Southern States Quality 0–12–5 Open Formula	Westminster	.....	.....	.....	.....	.....	.....	1.10	12.00	13.20	5.00	5.40	.....
Southern States Quality Super-phosphate 0–20–0	Baltimore	.....	.....	.....	.....	.....	.....	.80	20.00	20.80	.....	.....	.....

Southern States Quality Super-phosphate

Southern States Quality Super-phosphate 0–20–0	Denton							.40	20.00	20.60			
Southern States Quality Special Super-phosphate 0–16–0 Open Formula	Baltimore							.90	16.00	16.80			
Southern States Quality Special Super-phosphate 0–16–0 Open Formula	Hampstead							1.40	16.00	16.10			
Southern States Quality Special Super-phosphate 0–16–0 Open Formula	Hagerstown							1.00	16.00	16.40			
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md.													
Standard 4–12–4	Baltimore	4.00	4.10	3.20	2.98	.80	1.12	.90	12.00	12.00	4.00	4.36	191 A
Standard 3–12–6	Baltimore	3.00	3.00	2.40	2.29	.60	.71	1.20	12.00	11.60	6.00	6.29	1 A
National Prosperity Brand 2–12–6	Baltimore	2.00	2.01	1.60	1.40	.40	.61	.90	12.00	12.20	6.00	6.13	57 A
National Prosperity Brand 2–12–6	Baltimore	2.00	1.98	1.60	1.63	.40	.35	.90	12.00	12.30	6.00	6.29	86 A
National Prosperity Brand 2–12–6	Lineboro	2.00	2.01	1.60	1.64	.40	.37	.90	12.00	11.70	6.00	6.36	47 A
Standard 2–12–4	Germantown	2.00	1.98	1.60	1.38	.40	.60	.80	12.00	12.10	6.00	6.13	54 A
Standard 2–12–4	Denton	2.00	2.01	1.60	1.71	.40	.30	1.00	12.00	12.10	4.00	5.41	10 A
Standard 2–12–4	Baltimore	2.00	1.98	1.60	1.46	.40	.52	1.00	12.00	13.10	4.00	4.34	129 A
Standard 2–9–5	College Park	2.00	2.15	1.60	1.79	.40	.36	.90	12.00	12.20	4.00	4.19	43 A
Standard 2–9–5	Lineboro	2.00	1.95	1.60	1.54	.40	.41	.60	9.00	10.30	5.00	5.39	67 A
Standard 2–9–5	Denton	2.00	2.08	1.60	1.70	.40	.38	.90	9.00	9.10	5.00	5.28	10 A
Standard 2–8–10	Baltimore	2.00	2.06	1.60	1.71	.40	.35	1.00	9.00	9.60	5.00	5.28	22 A
Standard 2–8–10	Denton	2.00	1.98	1.60	1.65	.40	.33	.40	8.00	8.00	10.00	11.08	58 B
Standard 1–10–5	Baltimore	2.00	1.94	1.60	1.36	.40	.58	.70	8.00	8.10	10.00	11.48	9 A
Stand. Raw Bone Meal 3.70–T.P.A. 22–0	Baltimore	1.00	1.19	.80	.87	.20	.32	.80	10.00	10.00	5.00	6.83	15 B
Standard Bone Meal 2.47–T.P.A. 22–0	Baltimore	3.70	3.93						*22.00	*21.60			
Standard 0–10–10	Denton	2.47	2.53						*22.00	*23.70			
Standard 0–12–5	Denton							.90	10.00	10.90	10.00	7.60	
Standard 0–12–5	Baltimore							.80	12.00	12.00	5.00	5.12	
Standard Superphosphate 0–20–0	Baltimore							.90	12.00	12.10	5.00	5.00	
Standard Superphosphate 0–16–0	Baltimore							.90	20.00	19.10			
Standard Superphosphate 0–16–0	Lineboro							1.50	16.00	15.70			
								1.60	16.00	15.50			
George W. Standiford, Fallston, Md.													
Standiford's Corn & Wheat Grower 2–9–5	Fallston	2.00	2.05	1.40	1.32	.60	.73	.40	9.00	9.60	5.00	5.20	26 B
Summers Fertilizer Co., Inc., Baltimore, Md.													
3–12–6 Fertilizer Open Formula	Baltimore	3.00	3.02	1.80	2.39	1.20	.63	.90	12.00	13.00	6.00	6.43	127 B
2–12–4 Fertilizer Open Formula	Baltimore	2.00	1.99	1.75	1.49	.25	.50	.90	12.00	12.60	4.00	4.50	404 B
2–12–4 Fertilizer Open Formula	Baltimore	2.00	1.98	1.75	1.63	.25	.35	.80	12.00	12.40	4.00	4.41	346 B
2–12–4 Fertilizer	Sykesville	2.00	1.99					1.30	12.00	12.60	4.00	4.50	

‡Not Licensed at time of Sale.

*Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Summers Fertilizer Co., Inc., Baltimore, Md.	(Continued)												
2–12–4 Fertilizer Open Formula	Baltimore	2.00	2.04	1.75	1.66	.25	.38	1.10	12.00	12.00	4.00	4.44	286 B
2–9–5 Fertilizer	Baltimore	2.00	2.06	1.75	1.67	.25	.39	1.20	9.00	9.30	5.00	5.20	482 B
‡1–10–5 Fertilizer	Baltimore	1.00	1.07	.75	.76	.25	.31	1.00	10.00	10.50	5.00	5.47	444 B
0–12–5 Fertilizer	Baltimore	.....	.....	.....	.....	.....	.....	.50	12.00	14.40	5.00	4.74	.....
‡Superphosphate 0–20–0	Baltimore	.....	.....	.....	.....	.....	.....	.40	20.00	20.40	.....	.....	.....
Swift & Co., Fertilizer Works, Baltimore, Md.													
Swift's Red Steer 5–10–5	Baltimore	5.00	4.86	3.75	3.79	1.25	1.07	.70	10.00	10.60	5.00	5.37	54 A
Vigoro 4–12–4	Baltimore	4.00	4.07	4.00	3.85	0.00	.22	.60	12.00	12.70	4.00	4.74	42 A
Swift's Red Steer 4–8–5	Baltimore	4.00	3.76	3.00	2.94	1.00	.82	.50	8.00	8.80	5.00	5.20	22 B
Swift's Red Steer 4–8–5	Baltimore	4.00	3.37	3.00	2.67	1.00	.70	.30	8.00	9.00	5.00	5.50	31 B
Swift's Red Steer 3–12–6	Baltimore	3.00	3.03	2.40	2.47	.60	.56	.90	12.00	12.20	6.00	6.52	27 B
Swift's Red Steer 3–12–6	Baltimore	3.00	2.81	2.40	2.25	.60	.56	.70	12.00	12.70	6.00	6.68	10 B
Swift's Red Steer 3–12–6	Hagerstown	3.00	2.98	2.40	2.42	.60	.56	.80	12.00	12.00	6.00	6.21	51 B
Swift's Red Steer 2–12–6	Hagerstown	2.00	2.01	1.50	1.51	.50	.50	.60	12.00	12.10	6.00	6.40	111 B
Swift's Red Steer 2–12–4	Baltimore	2.00	2.11	1.50	1.54	.50	.57	.70	12.00	12.50	4.00	4.12	105 B
Swift's Red Steer 2–12–4	Baltimre	2.00	1.98	1.50	1.40	.50	.58	1.00	12.00	12.50	4.00	4.12	61 B
Swift's Red Steer 2–12–4	Baltimore	2.00	1.99	1.50	1.47	.50	.52	1.00	12.00	12.00	4.00	4.26	41 B
Swift's Red Steer 2–9–5	Baltimore	2.00	1.97	1.50	1.26	.50	.71	.80	9.00	9.60	5.00	5.04	87 B
Swift's Red Steer 2–9–5	Baltimore	2.00	2.08	1.50	1.42	.50	.66	1.40	9.00	8.50	5.00	5.28	136 B
Swift's Red Steer 2–9–5	Baltimore	2.00	1.94	1.50	1.24	.50	.70	.60	9.00	9.40	5.00	5.00	144 B
Swift's Red Steer 2–9–5	Hagerstown	2.00	1.91	1.50	1.43	.50	.48	.60	9.00	9.00	5.00	5.08	165 B
Swift's Red Steer 2–9–5	Laurel	2.00	2.19	1.50	1.57	.50	.62	.60	9.00	9.30	5.00	5.41	45 B
Swift's Red Steer 2–8–10	Baltimore	2.00	1.94	1.50	1.42	.50	.52	.60	8.00	8.20	10.00	10.90	124 B
Raw Bone Meal 3.70–T.P.A. 20–0	Baltimore	3.70	3.90	.....	.....	.....	.....	.....	*20.00	*22.80	.....	.....	.....
Raw Bone Meal 3.70–T.P.A. 20–0	Hagerstown	3.70	3.83	.....	.....	.....	.....	.....	*20.00	*20.90	.....	.....	.....
Swift's Sheep Manure 1.85–T.P.A. 1–1.75	Baltimore	1.85	1.84	.....	.....	.....	.....	.....	*1.00	*1.30	1.75	2.04	.....
Swift's Red Steer Superphosphate 0–16–0	Baltimore	.....	.....	.....	.....	.....	.....	.40	16.00	16.00	.....	.....	.....
‡Swift's Red Steer Lime Phosphate 0–16–0	Hagerstown	.....	.....	.....	.....	.....	.....	.40	16.00	17.30	.....	.....	.....
Tennessee Corp., Lockland, Ohio													
Loma 5–10–4	Baltimore	5.00	5.08	4.00	4.17	1.00	.91	.40	10.00	11.00	4.00	4.26	272 A
Thomas & Co., Frederick, Md.													
‡Sure Crop 2–12–6	Gaithersburg	2.00	2.10	1.50	1.60	.50	.50	.60	12.00	12.00	6.00	6.30	111 B

Loma 5–10–4	Baltimore												
Thomas & Co., Frederick, Md.													
‡Sure Crop 2–12–6	Gaithersburg	2.00	2.19	1.80	1.94	.20	.25	.70	12.00	12.30	6.00	6.23	148 A
Wheat & Grass Grower 2–9–5	Gaithersburg	2.00	2.01	1.80	1.68	.20	.33	.60	9.00	10.00	5.00	5.28	271 B
Wheat & Grass Grower 2–9–5	Gaithersburg	2.00	1.99	1.80	1.69	.20	.30	.80	9.00	9.60	5.00	5.20	236 B
Wheat & Grass Grower 2–9–5	Linwood	2.00	1.98	1.80	1.68	.20	.30	.80	9.00	9.60	5.00	5.04	246 B
Harvest Queen 1–10–5	Gaithersburg	1.00	1.03	.80	.77	.20	.26	1.20	10.00	11.10	5.00	4.50	279 B
Harvest Queen 1–10–5	Gaithersburg	1.00	1.02	.80	.90	.20	.12	1.40	10.00	10.30	5.00	5.44	294 B
Superphosphate & Potash 0–12–5	Gaithersburg							1.60	12.00	10.50	5.00	6.05	
Superphosphate & Potash 0–12–5	Gaithersburg							1.90	12.00	10.80	5.00	5.74	
‡Superphosphate 0–20–0	Linwood							1.00	20.00	19.70			
Superphosphate 0–16–0	Gaithersburg							.90	16.00	17.20			
I. P. Thomas & Son Co., Camden, N. J.													
‡Champion Wheat Special 2–12–6	Denton	2.00	1.99	1.10	.98	.90	1.01	.80	12.00	13.20	6.00	6.13	64 A
Victor Potash 2–9–5	Denton	2.00	2.11	1.25	1.46	.75	.65	1.20	9.00	9.80	5.00	5.46	59 A
I. P. Thomas 2–8–10	Denton	2.00	2.30	1.25	1.92	.75	.38	1.00	8.00	8.40	10.00	10.50	130 A
‡Pure Ground Animal Bone 3.70–T.P.A. 21–0	Denton	3.70	4.07						*21.00	*21.30			
Potash Mixture 0–12–5	Denton							.90	12.00	12.90	5.00	5.43	
Superphosphate 0–16–0	Denton							1.80	16.00	16.20			
‡Muriate of Potash 0–0–50	Denton										50.00	52.00	
Wm. B. Tilghman Co., Inc., Salisbury, Md.													
Tilghman's Standard 2–9–5	Federalsburg	2.00	2.01	1.60	1.70	.40	.31	.80	9.00	9.10	5.00	5.20	185 B
Tilghman's Standard 2–9–5	Salisbury	2.00	2.27	1.60	1.77	.40	.50	.90	9.00	9.10	5.00	5.16	214 B
Tilghman's Standard 2–9–5	Federalsburg	2.00	2.19	1.60	1.43	.40	.76	.80	9.00	9.40	5.00	5.50	149 B
Tilghman's Standard 2–9–5	Princess Anne	2.00	2.44	1.60	1.70	.40	.74	.60	9.00	9.00	5.00	6.64	106 B
Tilghman's S. P. 2–8–10	Salisbury	2.00	2.05	1.60	1.74	.40	.31	.70	8.00	8.30	10.00	10.00	157 B
Tilghman's S. P. 2–8–10	Federalsburg	2.00	2.12	1.60	1.80	.40	.32	.60	8.00	8.30	10.00	10.38	127 B
Tilghman's S. P. 2–8–10	Federalsburg	2.00	1.99	1.60	1.43	.40	.56	.60	8.00	8.50	10.00	11.02	122 B
Tilghman's Grain Mixture 1–10–5	Salisbury	1.00	1.22	.80	.88	.20	.34	.70	10.00	10.30	5.00	5.12	296 B
Tilghman's Ten-Ten 0–10–10	Salisbury							.80	10.00	10.30	10.00	10.08	
Tilghman's Phosphate & Potash 0–12–5	Salisbury							.90	12.00	12.20	5.00	5.33	
Tilghman's Phosphate & Potash 0–12–5	Federalsburg							1.90	12.00	10.40	5.00	6.72	
Tilghman's Superphosphate 0–16–0	Salisbury							1.00	16.00	16.70			
M. D. R. Trading Corp., Baltimore, Md.													
‡M.D.R. 4–12–4 Fertilizer	Baltimore	4.00	4.25	3.50	3.73	.50	.52	.90	12.00	13.30	4.00	4.34	17 A
‡M.D.R. 3–12–6 Fertilizer	Baltimore	3.00	2.99	2.50	2.46	.50	.53	.90	12.00	12.90	6.00	6.13	198 B
M.D.R. 2–12–4 Fertilizer	Baltimore	2.00	2.01	1.75	1.50	.25	.51	.70	12.00	12.20	4.00	4.20	438 B
M.D.R. 2–9–5 Fertilizer	Baltimore	2.00	2.05	1.75	1.80	.25	.25	.60	9.00	9.60	5.00	5.00	580 B
M.D.R. 2–9–5 Fertilizer	Baltimore	2.00	2.01	1.75	1.57	.25	.44	.60	9.00	9.60	5.00	5.67	521 B

‡Not Licensed at time of Sale.

*Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
M. D. R. Trading Corp., Baltimore, Md. (Continued)													
M.D.R. 2–9–5 Fertilizer	Baltimore	2.00	2.06	1.75	1.61	.25	.45	1.30	9.00	9.30	5.00	5.20	469 B
M.D.R. 2–8–10 Fertilizer	Baltimore	2.00	2.04	1.75	1.54	.25	.50	.60	8.00	9.10	10.00	10.02	500 B
M.D.R. 2-8-10 Fertilizer	Baltimore	2.00	1.87	1.75	1.51	.25	.36	1.10	8.00	9.00	10.00	9.62	382 B
M.D.R. Superphosphate 0–20–0	Baltimore	.....	.....	.....	.....	.....	.....	.80	20.00	20.80	.....	.....	.....
F. W. Tunnell & Co., Inc., Philadelphia, Pa.													
Tunnell's 3–12–6	Colora	3.00	3.00	2.25	1.78	.75	1.22	1.30	12.00	12.20	6.00	6.68	74 A
Vegetable & Fruit Manure 3–8–10	Colora	3.00	3.09	2.25	1.94	.75	1.15	1.10	8.00	8.30	10.00	10.40	19 B
2–9–5 with Animal Matter	Queen Anne	2.00	2.11	1.00	1.33	1.00	.78	.50	9.00	9.40	5.00	5.43	11 B
Potato & Truck Manure 2–8–10	Colora	2.00	2.02	1.00	.87	1.00	1.15	.60	8.00	8.40	10.00	11.42	81 B
1–10–5 with Animal Matter	Queen Anne	1.00	1.07	.30	.52	.70	.55	.70	10.00	11.00	5.00	5.20	142 B
Valliant Fertilizer Co., Laurel, Del.													
Gem 2–8–10	.....	2.00	2.01	1.70	1.76	.30	.25	.40	8.00	8.20	10.00	10.30	117 B
Jumbo 1–10–5	.....	1.00	1.05	.80	.93	.20	.12	.60	10.00	10.20	5.00	6.17	260 B
E. S. Valliant & Son, Centreville, Md.													
Excelsior 2–12–6	Centreville	2.00	2.13	1.50	1.66	.50	.47	1.50	12.00	12.10	6.00	6.36	2 B
Fall Keystone 2–9–5	Centreville	2.00	2.13	1.70	1.78	.30	.35	.90	9.00	9.50	5.00	5.00	119 B
Winner 2–8–10	Centreville	2.00	2.12	1.60	1.68	.40	.44	.70	8.00	8.40	10.00	10.70	64 B
Animal Base Brand 1–10–5	Centreville	1.00	1.22	.80	.98	.20	.24	1.00	10.00	10.70	5.00	5.28	148 B
Grower 0–10–10	Centreville	.....	.....	.....	.....	.....	.....	1.60	10.00	10.10	10.00	10.00	.....
Harvest 0–12–5	Centreville	.....	.....	.....	.....	.....	.....	.80	12.00	12.30	5.00	5.24	.....
Virginia-Carolina Chemical Corp., Baltimore, Md.													
V-C. Great Truck & Vegetable Compound 4–8–5	Laurel	4.00	3.99	3.00	2.90	1.00	1.09	.20	8.00	8.80	5.00	5.00	42 B
‡V-C. Primrose Special 2–12–6	Baltimore	2.00	2.01	1.50	1.12	.50	.89	.90	12.00	12.40	6.00	6.52	83 B
V-C. Fish & Potash Compound 2–9–5	Baltimore	2.00	2.18	1.50	1.31	.50	.87	.90	9.00	9.50	5.00	5.38	67 B
V-C. Fish & Potash Compound 2–9–5	Laurel	2.00	2.11	1.50	1.38	.50	.73	.40	9.00	9.60	5.00	5.04	104 B
V-C. Special for Potatoes & Vegetables 2-8-10	Baltimore	2.00	2.01	1.50	1.52	.50	.49	.40	8.00	8.20	10.00	10.40	87 B

V-C. Special for Potatoes & Vegetables 2–8–10	Baltimore	2.00	1.99	1.50	1.43	.50	.56	.40	8.00	8.00	10.00	10.50	128 B
V-C. Phosphate & Potash 0–10–10	Baltimore							.50	10.00	10.10	10.00	10.40	
V-C. High Grade Potash Mixture 0–12–5	Baltimore							.70	12.00	12.50	5.00	5.40	
V-C. Superphosphate 0–16–0	Baltimore							.50	16.00	16.20			
V-C. Superphosphate 0–16–0	Baltimore							.50	16.00	16.00			
Walker-Gordon Laboratory Co., Inc., Plainsboro, N. J.													
Bovung 2–T.P.A. 2–2	Baltimore	2.00	2.09	0.00	.14	2.00	1.95		*2.00	*1.40	2.00	2.00	
Westminster Fertilizer Co., Westminster, Md.													
2–9–5	Westminster	2.00	1.98	1.40	1.40	.60	.58	.50	9.00	9.90	5.00	5.82	155 B
2–9–5	Westminster	2.00	2.09	1.40	1.74	.60	.35	.50	9.00	9.60	5.00	6.44	71 B
Leader 1–10–5	Westminster	1.00	1.18	.50	.81	.50	.37	.70	10.00	10.60	5.00	5.38	61 B
Superphosphate 0–16–0	Westminster							.50	16.00	17.10			
A. S. Woolley & Co., Inc., Seaford, Del.													
Woolley's Success Fertilizer 2–9–5	Federalsburg	2.00	1.98	1.60	1.47	.40	.51	.40	9.00	9.80	5.00	6.13	58 B
Woolley's Success Fertilizer 2–9–5		2.00	2.01	1.60	1.47	.40	.54	.40	9.00	9.90	5.00	6.05	77 B
5% Potash Mixture 0–12–5								.40	12.00	12.70	5.00	4.26	
5% Potash Mixture 0–12–5	Federalsburg							.50	12.00	12.00	5.00	5.35	
Woolston & Co., Baltimore, Md.													
4–8–7 Fertilizer	Baltimore	4.00	3.76	2.50	2.36	1.50	1.40	1.10	8.00	9.30	7.00	7.00	5 B
Worcester Fertilizer Co., Snow Hill, Md.													
‡Worcester's Correct Plant Food Mixture 5–8–12	Princess Anne	5.00	5.00	3.50	3.79	1.50	1.21	.60	8.00	7.50	12.00	12.00	166 A
Worcester's Correct Plant Food Mixture 3–8–10	Snow Hill	3.00	2.99	2.10	2.06	.90	.93	.80	8.00	8.00	10.00	10.48	10 A
Worcester's Correct Plant Food Mixture 3–8–10	Pocomoke City	3.00	2.98	2.10	1.90	.90	1.08	.70	8.00	7.70	10.00	10.70	34 B
Worcester's Correct Plant Food Mixture 3–8–10	Princess Anne	3.00	3.02	2.10	2.03	.90	.99	.70	8.00	8.20	10.00	10.08	8 A
‡Worcester's Correct Plant Food Mixture 2–12–6	Pocomoke City	2.00	2.20	1.40	1.54	.60	.66	1.10	12.00	11.30	6.00	6.29	30 A
Worcester's Correct Plant Food Mixture 2–12–6	Snow Hill	2.00	2.26	1.40	1.64	.60	.62	1.20	12.00	11.20	6.00	7.22	32 A
Worcester's Correct Plant Food Mixture 2–9–5	Snow Hill	2.00	2.02	1.60	1.80	.40	.22	1.60	9.00	8.20	5.00	5.20	23 B

‡Not Licesned at time of Sale.

*Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Worcester Fertilizer Co., Baltimore, Md. (Continued)													
Worcester's Correct Plant Food Mixture 2–9–5	Princess Anne	2.00	1.98	1.60	1.50	.40	.48	1.80	9.00	7.60	5.00	5.44	28 B
Worcester's Correct Plant Food Mixture 2–8–10	Snow Hill	2.00	2.12	1.40	1.69	.60	.43	.80	8.00	7.50	10.00	10.60	11 B
Worcester's Correct Plant Food Mixture 2–8–10	Pocomoke City	2.00	2.32	1.40	1.71	.60	.61	.60	8.00	8.00	10.00	10.40	0
Worcester's Correct Plant Food Mixture 2–8–10	Princess Anne	2.00	2.08	1.40	1.52	.60	.56	.70	8.00	7.40	10.00	10.58	106 B
Worcester's Correct Plant Food Mixture 1–10–5	Snow Hill	1.00	1.25	.80	.87	.20	.38	1.20	10.00	9.50	5.00	5.12	71 B
‡Worcester's Correct Plant Food Mixture 0–10–10	Snow Hill	.....	.....	.....	.....	.....	.....	1.00	10.00	9.70	10.00	11.34	.....
Superphosphate 0–16–0	Snow Hill	.....	.....	.....	.....	.....	.....	1.10	16.00	16.80	.....	.....	.....

‡Not Licensed at time of Sale.

FEED ANALYSES

(A) General Feeds

(B) Dog Feeds

(C) Mineral Mixtures

(D) Assay of Vitamin D Supplements.

The results obtained in the chemical and microscopical examination of feeds, dog feeds, and mineral mixtures, are found on pages 28 to 79, the assays of vitamin D products immediately following. Feeds are considered seriously deficient as regards chemical analysis when they are one per cent or more deficient in protein, or one-half of one per cent deficient in fat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
E. T. Allen Co., Atlan a, Ga.	
Premier 45% Protein Peanut Meal	Baltimore
Empire 41% Protein Cottonseed Meal	Baltimore
Empire 41% Protein Cottonseed Meal	Detour
Empire 41% Protein Cottonseed Meal	Ellicott City
Atlas 36% Protein Cottonseed Meal	Gaithersburg
G. A. Allender, Elkton, Md.	
Open Formula Dandy Meat, Fish and Bone Meal	Elkton
Dandy 24% Dairy Feed	Elkton
Dandy 16% Dairy Feed	Elkton
Dandy Laying Mash	Elkton
Dandy Starting and Growing Mash	Elkton
C. L. Alexander, New Windsor, Md.	
Sam's Creek Laying Mash	New Windsor
Allied Mills, Inc., Chicago, Ill.	
Super Soy	Maugansville
Wayne 32% Farm Mix Dairy Feed	Maugansville
Amco 32% Supplement Dairy Ration	Baltimore
Amco 32% Supplement Dairy Ration	Street
Amco 24% Dairy Ration	Baltimore
Empire 16½% Dairy Ration	Maugansville
Ideal 16% Dairy Ration	Baltimore
Topper 16% Dairy Feed	Motters
Amco Super Egg Mash, with Sardine Oil	Baltimore
Amco Super Egg Mash	Baltimore
Amco Super Egg Mash	Street
Empire Egg Mash	Salisbury
Wayne Egg and Breeder Mash, with Sardine Oil	Maugansville
Wayne Egg and Breeder Mash, with Sardine Oil	Salisbury
Topper Egg Mash	Salisbury
Wayne Mash Concentrate	Maugansville
Amco Growing Mash, with Sardine Oil	Baltimore
Amco Growing Mash	Baltimore
Wayne Growing Mash, with Sardine Oil	Salisbury
Wayne Growing Mash	Maugansville
Tip Top Growing Mash	Baltimore
Amco Tip Top Mash	Baltimore
June Pasture	Baltimore
Amco Horse Feed	Baltimore
Wayne Hog Supplement	Maugansville
Wayne Pig Starter	Maugansville
Amco Calf Meal	Baltimore
Wayne Broiler Ration	Maugansville
Amco Super Starting and Growing Mash, with Sardine Oil	Baltimore
Tip Top Starter and Grower, with Sardine Oil	Baltimore
Amco Intermediate Scratch Grains	Baltimore
Amco Turkey Mash, with Sardine Oil	Baltimore
Wayne Rabbit Feed	Baltimore

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.17	45.00	46.25	7.00	10.02	10.00	9.52	3.95	23.09	As declared on sack.
7.32	41.00	41.07	5.50	6.08	13.00	11.74	5.80	27.99	" "
8.28	41.00	42.47	5.50	5.61	13.00	10.78	6.30	26.56	" "
7.45	41.00	41.24	5.50	7.03	13.00	10.60	5.90	27.78	" "
7.45	36.00	35.98	5.00	5.23	16.00	17.49	5.53	28.32	A.
5.66	50.00	51.22	6.00	11.10	3.00	1.53	28.00	2.49	As declared on sack.
10.33	24.00	23.72	4.00	3.89	11.00	8.77	5.89	47.40	" "
10.86	16.00	16.99	3.50	4.43	12.00	10.19	7.24	50.29	B.
10.14	20.00	23.43	4.50	6.17	9.00	6.86	8.60	44.80	As declared on sack.
9.09	17.00	17.72	3.50	5.91	6.00	4.68	9.50	53.10	" "
8.74	18.00	19.13	5.00	4.74	8.00	7.25	8.85	51.29	" "
7.17	37.00	38.26	4.50	5.18	6.50	5.63	12.45	31.31	" "
8.75	32.00	33.00	4.00	4.83	9.00	7.92	9.45	36.05	" "
9.42	32.00	33.78	4.00	5.20	9.00	7.78	8.70	35.12	" "
8.77	32.00	34.68	4.00	4.79	9.00	7.24	11.13	33.39	" "
8.66	24.00	26.84	4.00	4.86	9.00	10.03	8.99	40.62	" "
9.00	16.50	18.34	3.00	4.27	12.00	11.89	7.95	48.55	" "
9.43	16.00	20.23	3.00	4.49	12.00	9.55	6.96	49.34	" "
9.05	16.00	18.28	3.00	3.99	12.00	9.02	7.81	51.85	" "
8.45	18.50	18.54	4.00	4.66	7.00	6.06	7.10	55.19	" "
8.69	18.50	18.52	4.00	5.48	7.00	5.45	6.95	54.91	" "
8.70	18.50	19.92	4.00	4.44	7.00	7.17	6.65	53.12	" "
8.35	16.50	18.87	3.50	5.21	7.00	7.09	7.80	52.68	" "
7.71	18.00	20.45	3.50	6.73	7.00	7.34	8.70	49.07	" "
9.00	18.00	19.83	3.50	4.97	7.00	6.91	7.65	51.64	" "
9.36	18.00	19.83	3.50	5.49	10.00	6.09	6.90	52.33	" "
7.04	32.00	39.49	4.00	5.65	8.00	7.08	6.50	34.24	" "
8.95	17.00	18.52	4.00	4.69	6.00	5.50	7.00	55.34	" "
9.48	17.00	17.72	4.00	4.96	6.00	5.13	6.70	56.01	" "
7.93	16.00	18.08	4.00	5.02	6.00	6.17	7.25	55.55	" "
8.32	16.00	17.81	4.00	5.39	6.00	6.24	7.60	54.64	" "
8.33	16.00	19.31	3.00	4.00	7.00	6.57	9.35	52.44	" "
9.06	17.50	19.83	3.50	5.01	7.00	5.45	7.20	53.45	" "
10.05	10.00	12.45	.50	.90	21.00	19.07	9.92	47.61	" "
9.82	9.00	10.44	3.00	2.74	10.00	7.48	3.14	66.38	" "
8.33	40.00	42.42	4.50	4.96	7.00	5.69	13.27	25.33	" "
11.25	18.00	17.07	3.50	5.05	7.00	4.68	7.65	54.30	" "
8.15	24.00	25.89	4.00	4.35	7.00	6.63	9.60	45.38	" "
8.42	18.00	19.31	3.50	5.65	8.00	5.85	7.55	53.22	" "
8.19	17.00	18.95	4.00	4.45	6.00	5.59	8.10	54.72	" "
9.04	16.00	16.85	3.50	5.11	6.00	6.34	8.60	54.06	" "
10.54	10.00	10.62	2.00	2.65	5.00	4.20	1.50	70.49	" "
8.68	18.00	17.29	3.50	5.50	8.00	6.45	9.10	52.98	" "
8.45	13.00	16.41	3.00	5.17	11.00	9.72	8.00	52.25	" "

A—Product off quality very dark in color.
B—Unable to detect Peanut Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
American Maize-Products Co., New York, N. Y.	
Amaizo Gluten Meal	Ellicott City
Cream of Corn Gluten Feed	Germantown
Cream of Corn Gluten Feed	Ellicott City
Anchor Mills, Hagerstown, Md.	
Zip Egg Mash	Alesia
Anderson Grain & Feed Co., York, Pa.	
Anderson's 32% Dairy Mixing Ration	Street
Anderson's 24 Dairy Feed	Jarrettsville
Anderson's 20 Dairy Feed	Street
Anderson's 16 Dairy Feed	Jarrettsville
Anderson's Laying Mash, with DBM	Street
Anderson's Laying Mash, with DBM	Street
‡Anco Laying Mash	Jarrettsville
‡Anco Growing Mash	Jarrettsville
‡Anco Scratch Feed	Silver Spring
Anne Arundel County Farmers Assoc., Baltimore, Md.	
Anarco Dairy Feed	Baltimore
Anarco Egg Mash, with BM. and Cod Liver Oil	Baltimore
Anarco Hog Feed	Baltimore
Arcady Farms Milling Co., Chicago, Ill.	
Arcady-Wonderlas	Mt. Airy
*‡Advanced Registry Dairy Feed	Mt. Airy
Provo 16% Dairy Feed	Mt. Airy
‡Wonder 35% Poultry Concentrate	Mt. Airy
Arcady Horse and Mule Feed	Baltimore
Arcady Horse and Mule Feed	Baltimore
Wonder Hog Feed	Baltimore
*Wonder Calf Meal	Baltimore
Wonderfat Shipping Feed	Baltimore
Arcady Complete Rabbit Feed (Pellets)	Baltimore
Archer-Daniels-Midland Co., Minneapolis, Minn.	
32% Protein Old Process Linseed Meal	Hagerstown
44% Protein New Process Soybean Oil Meal	Baltimore
44% Protein New Process Soybean Oil Meal	Mt. Airy
Dairyland Dried Skim Milk	Gaithersburg
Ashcraft-Wilkinson Co., Atlanta, Ga.	
Hi-Pro Brand Prime Peanut Meal 45%	Sudlersville
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Centreville
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Frederick
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Baltimore
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Westminster
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Maugansville
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Derwood

*Deficiient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
9.19	40.00	43.35	1.00	4.57	4.00	1.93	8.05	32.91	As declared on sack.
9.38	25.00	27.03	2.00	2.64	8.50	7.75	7.10	46.10	" "
7.45	25.00	27.47	2.00	3.48	8.50	7.64	6.90	47.06	" "
8.71	18.00	20.45	4.00	5.73	6.00	6.91	7.15	51.05	" "
9.85	32.00	32.02	4.00	4.77	10.00	7.27	9.12	36.97	" "
10.76	24.00	25.28	4.00	4.10	12.00	9.88	8.60	41.38	" "
10.18	20.00	20.50	4.00	3.85	12.00	12.68	9.18	43.61	" "
10.83	16.00	17.29	3.50	3.37	12.00	13.07	9.44	46.00	" "
8.81	20.00	21.67	4.50	5.26	8.00	7.94	9.40	46.92	" "
8.49	20.00	21.50	4.00	5.44	8.00	7.59	10.00	46.98	" "
7.67	20.00	20.01	3.50	4.34	8.00	8.21	8.75	51.02	" "
8.15	16.00	16.41	3.50	5.35	7.50	6.29	8.35	55.45	" "
9.36	9.00	9.83	2.50	2.81	5.00	2.60	1.70	73.70	A.
8.70	26.00	26.06	5.00	4.96	9.00	8.35	7.80	44.13	As declared on sack.
6.60	22.00	25.10	5.00	6.39	8.00	4.71	13.55	43.65	" "
8.45	21.00	24.43	6.00	6.58	7.00	8.53	7.50	44.51	" "
8.57	30.00	29.92	4.00	4.23	6.00	6.83	10.18	40.27	B.
7.45	25.00	23.25	3.50	4.57	10.00	10.43	13.40	40.90	As declared on sack.
9.51	16.00	16.68	3.00	3.18	13.50	11.46	12.40	46.77	" "
6.65	35.00	35.01	5.50	5.32	6.00	8.32	21.20	23.50	" "
9.10	9.00	9.76	2.00	2.44	12.00	10.12	5.32	63.26	" "
11.11	9.00	9.24	2.00	3.72	12.00	9.90	4.54	61.49	" "
8.29	18.00	18.37	3.50	3.46	7.00	7.03	11.80	51.05	" "
9.03	25.00	26.59	5.00	4.33	7.00	4.85	6.80	48.40	" "
7.84	12.50	15.27	4.50	4.60	6.00	7.57	7.50	57.22	" "
7.76	12.00	12.81	2.50	2.96	16.00	14.82	8.25	53.40	" "
8.98	32.00	33.70	4.50	5.29	9.00	7.99	6.70	37.34	C.
8.60	44.00	43.00	.50	.58	7.00	5.97	6.10	35.75	As declared on sack.
8.49	44.00	43.35	.50	.76	7.00	6.14	5.85	35.41	" "
---	32.00	33.78	.50	x.92	---	---	8.20		" "
7.36	45.00	48.98	6.00	7.48	10.00	10.22	5.15	20.81	" "
7.33	41.00	44.05	5.00	6.76	13.00	9.16	6.60	26.10	" "
6.58	41.00	41.68	5.00	6.69	13.00	11.03	6.10	27.92	" "
7.06	41.00	41.59	5.00	5.80	13.00	11.18	5.90	28.47	" "
7.08	41.00	41.51	5.00	5.86	13.00	11.45	6.50	27.60	" "
7.68	41.00	41.07	5.00	7.02	13.00	12.31	5.95	25.97	" "
6.15	41.00	41.24	5.00	5.54	13.00	11.12	7.00	28.95	" "

A—Also detected Milo Maize and Kaffir Corn.
B—Ingredients on sack differ from license.
C—Acid Insoluble Ash 0.19%.
x—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Atlantic Supply Co., Baltimore, Md.	
Atlantic Meat and Bone Scrap	Centreville
Atlantic 45% Meat and Bone Scrap	Monrovia
Fish Meal	Baltimore
Fish Meal	Westminster
Fish Meal	New Windsor
Fish Meal	Frederick
Fish Meal	Thurmont
Fish Meal	Centreville
‡Crab Meal	Frederick
Baltimore Feed & Grain Co., Baltimore, Md.	
BBL. Fish Meal	Baltimore
*BBL. 32% Dairy Feed	Baltimore
BBL. 24% Dairy Feed	Baltimore
BBL. 20% Dairy Feed	Baltimore
BBL. 16½% Dairy Feed	Baltimore
BBL. Egg Mash, with Milk and Minerals	Baltimore
BBL. Cod Mlk-O-Lay Breeding Mash, with DBM., Cod Liver and Mineral Supplement	Baltimore
BBL. Improved Laying Mash, with DBM. and Mineral Supplement	Baltimore
BBL. All Mash Laying Ration, with DBM. and Minerals	Baltimore
BBL. Cod-Mlk-O-Gro, with DBM., Cod Liver Oil and Mineral Supplement	Baltimore
BBL. Growing Mash, with DBM. and Minerals	Baltimore
*BBL. 85% Horse Feed	Baltimore
BBL. 40% Horse Feed	Baltimore
‡Corn and Oats Chop	La Plata
BBL. Hog Feed	Baltimore
BBL. Hog Feed	Hebron
BBL. Broiler Feed	Baltimore
BBL. Cod-Mlk-O-Chick Starter, with BM., Cod Liver Oil and Mineral Supplement	Baltimore
Wiseman's Special Pigeon Feed	Baltimore
BBL. Turkey Mash, with Milk and Cod Liver Oil	Baltimore
Barker, Moore & Mein Co., Philadelphia, Pa.	
Barker's Poultry Powder	Pocomoke City
Baugh & Sons Co., Baltimore, Md.	
Duplex, Egg Producer Pure Meat Scrap	Denton
Baugh's Oldest Brand Meat and Bone Scrap	Salisbury
Baugh's 45% Meat and Bone Scrap	Salisbury
Baugh's 45% Meat and Bone Scrap	Berlin
Baugh's 58% Fish Meal	Detour
Baugh's 58% Fish Meal	St. Michaels
Baugh's 60% Digester Tankage	Princess Anne
Baugh's No. 1 Laying Mash	Salisbury
Beacon Milling Co., Inc., Cayuga, N. Y.	
Beacon Sweet "24"	Cockeysville
Auburn Brand Dairy Feed	Cockeysville

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
6.03	50.00	50.02	8.00	7.78	2.00	2.18	36.45	.....	As declared on sack.	
6.15	45.00	46.07	8.00	14.77	2.00	1.52	33.40	.....	"	"
6.69	58.00	59.15	6.00	8.21	1.00	.36	21.55	4.04	"	"
6.76	58.00	60.38	6.00	11.26	1.00	.73	19.10	1.77	"	"
7.77	58.00	60.55	6.00	10.37	1.00	.83	18.40	2.08	"	"
6.15	58.00	60.55	6.00	10.76	1.00	.75	18.80	2.99	"	"
6.94	58.00	62.04	6.00	7.96	1.00	1.78	20.00	1.28	"	"
7.60	58.00	59.76	6.00	9.15	1.00	1.13	21.74	.62	"	"
7.45	31.00	32.64	1.00	2.87	8.00	6.23	41.60	9.21	"	"
8.13	55.00	62.31	6.00	6.08	2.00	.61	19.40	3.47	"	"
8.09	32.00	30.84	4.00	5.95	10.00	7.33	8.02	39.77	"	"
8.40	24.00	23.97	4.50	5.10	10.00	8.92	7.57	46.04	"	"
9.35	20.00	20.29	4.50	4.83	12.00	7.53	6.60	51.40	"	"
10.47	16.50	15.69	3.00	3.58	13.00	6.55	7.79	55.92	"	"
9.46	20.00	21.24	4.50	5.39	8.00	8.77	7.60	47.54	"	"
9.78	20.00	20.36	4.00	4.81	6.50	6.15	9.10	49.80	"	"
9.11	20.00	20.88	4.00	5.69	6.50	6.92	9.70	47.70	"	"
8.27	15.00	17.55	4.00	4.59	5.50	5.48	7.90	56.21	"	"
9.35	18.00	18.87	4.50	5.48	6.50	6.47	8.60	51.23	"	"
7.32	17.50	18.52	5.00	5.22	7.50	8.55	9.90	49.49	"	"
9.83	9.00	9.35	3.50	2.71	9.00	5.17	2.91	70.03	"	"
10.82	7.00	8.51	2.50	2.42	13.00	10.06	7.17	61.02	"	"
10.24	10.00	10.09	3.00	2.94	7.00	5.52	1.95	69.26	"	"
8.87	18.00	19.04	4.50	5.02	8.00	7.97	7.95	51.15	"	"
8.69	18.00	20.10	4.50	4.62	8.00	6.68	8.30	51.61	"	"
9.03	18.00	18.78	4.50	5.55	6.00	5.91	7.40	53.33	"	"
7.60	16.00	18.08	4.50	6.18	5.00	5.23	8.50	54.41	"	"
9.30	18.00	21.50	8.00	9.68	10.00	9.22	4.25	46.05	"	"
7.95	21.00	22.20	5.00	5.86	7.00	9.41	14.05	40.53	"	"
7.50	15.00	21.76	3.50	3.75	16.00	9.75	20.80	36.44	"	"
6.25	55.00	55.81	6.00	9.78	3.00	3.06	25.00	.10	"	"
6.92	50.00	51.78	6.00	9.14	3.00	2.79	31.40	.....	"	"
6.28	45.00	46.91	6.00	10.56	3.00	2.24	33.80	.21	"	"
5.10	45.00	45.92	6.00	13.08	3.00	2.47	33.00	.43	"	"
7.66	58.00	60.90	5.00	10.95	3.00	.41	17.80	2.28	"	"
6.99	58.00	60.90	5.00	6.15	3.00	.74	18.50	6.72	"	"
7.27	60.00	62.66	5.00	7.66	3.00	2.63	15.05	4.68	"	"
9.23	20.00	20.36	4.00	5.01	7.00	7.15	8.45	49.77	"	"
10.12	24.00	24.24	4.00	4.53	9.00	8.23	5.62	47.26	"	"
10.32	20.00	19.92	4.00	4.47	10.00	8.01	7.59	49.69	"	"

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Beacon Milling Co., Inc., Cayuga, N. Y. (Continued)	
Beacon Egg Mash, with BM	Cockeysville
‡Be-Co-Lass	Cockeysville
Beacon's Cayuga Laying Mash, with BM	Cockeysville
Beacon's Cayuga Growing Mash	Salisbury
Beacon Complete Starting Ration	Salisbury
‡Beacon CC Pellets	Cockeysville
‡Beacon Special Scratch Grains	Cockeysville
J. L. Beauchamp, Delmar, Del.	
J. B. Laying Mash	Salisbury
J. P. Bennett & Son, Mardela Springs, Md.	
Bennett's Best Laying Mash	Mardela Springs
D. M. Laying Mash	Mardela Springs
Bennett's Best Hog Feed	Mardela Springs
Berlin Feed Store, Berlin, Md.	
B-F-S Laying Mash, with Dried Milk and Cod Liver Oil	Berlin
B-F-S Starter and Growing Mash, with DBM. and Cod Liver Oil	Berlin
Berlin Milling Co., Inc., Salisbury, Md.	
Economy Laying Mash	Salisbury
Economy Growing Mash	Salisbury
Economy Starter and Broiler Mash	Salisbury
Geo. W. Biles Co., Inc., Providence, Md.	
Cecil Co Laying Mash	Providence
Bisbee Linseed Co., Philadelphia, Pa.	
*Bisbee Brand 34% Protein O. P. Linseed Meal	Ellicott City
Bisbee Brand 34% Protein O. P. Linseed Meal	Baltimore
Blatchford Calf Meal Co., Waukegan, Ill.	
Blatchford's Calf Meal	Cardiff
V. D.	Cambridge
Thomas B. Bourne, Crumpton, Md.	
Red Lion Mill Laying Mash	Church Hill
Red Lion Mill Starter	Church Hill
Bowman Brothers, Gaithersburg, Md.	
Gilt Edge Dairy Feed	Gaithersburg
Gilt Edge Lay Mash	Gaithersburg
Bradley & Baker, Baltimore, Md.	
Soya Bean Meal	Baltimore
Soya Bean Meal	Baltimore
Prime 36% Cottonseed Meal	Baltimore
55% Meat Scrap	Baltimore
55% Meat Scrap	Baltimore
50% Meat and Bone Scrap	Baltimore
50% Meat and Bone Scrap	Baltimore

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.46	22.00	23.34	4.50	5.92	7.00	7.10	11.50	43.68	As declared on sack.
10.74	11.00	12.04	1.00	1.64	12.00	12.09	6.62	56.87	" "
7.77	20.00	21.94	4.00	7.58	7.00	7.22	10.25	45.24	" "
8.60	16.00	17.81	4.00	5.18	7.00	7.50	9.30	51.61	" "
8.56	17.50	18.08	4.00	5.92	6.00	5.54	8.95	52.95	" "
7.46	18.00	18.69	1.00	6.90	5.00	3.24	5.04	58.67	" "
10.54	10.00	10.18	2.00	1.95	3.50	2.44	1.90	72.99	" "
8.95	16.00	17.99	4.50	5.05	8.00	7.15	11.95	48.91	" "
8.30	20.00	21.24	4.00	5.62	9.00	6.76	13.15	44.93	" "
8.51	20.00	21.41	4.00	4.55	9.00	6.74	11.35	47.44	A.
9.28	16.00	17.99	4.00	4.63	10.00	7.33	11.90	48.87	A.
8.95	20.00	21.32	4.00	4.65	6.00	6.37	10.75	47.96	As declared on sack.
9.49	17.00	17.81	4.00	5.53	6.00	4.67	11.75	50.75	" "
8.12	19.00	18.70	5.00	5.10	6.50	8.78	10.40	48.90	" "
8.47	15.00	15.88	4.50	4.58	5.00	6.63	9.40	55.05	" "
8.36	18.00	17.99	4.50	4.56	4.50	5.48	9.90	53.71	" "
9.47	20.00	19.62	4.00	4.56	8.00	6.03	12.05	48.27	B.
8.20	34.00	32.82	5.00	5.64	10.00	9.34	6.00	38.00	C.
8.97	34.00	34.22	5.00	5.82	10.00	7.66	6.95	36.38	D.
9.28	26.00	26.15	5.00	4.58	6.00	5.74	9.75	44.50	As declared on sack.
7.63	31.00	32.91	5.00	5.16	5.75	5.35	11.40	37.55	" "
8.67	20.00	20.71	4.00	4.79	8.00	9.26	8.00	48.57	" "
10.09	17.00	17.55	4.00	4.38	5.00	7.75	8.70	51.53	" "
8.24	26.00	25.10	5.00	5.41	9.00	9.59	8.10	43.56	" "
8.62	19.00	18.95	5.00	5.79	6.00	6.91	9.85	49.88	" "
8.15	42.00	44.26	6.00	7.16	12.00	5.00	6.75	28.68	" "
7.52	42.00	44.32	6.00	7.52	12.00	4.99	7.10	28.55	" "
8.57	36.00	35.72	5.00	9.32	12.00	9.06	7.65	29.68	" "
7.66	55.00	58.18	6.00	10.17	3.00	2.99	20.90	.10	" "
6.29	55.00	54.93	6.00	10.27	3.00	2.88	25.40	.23	" "
6.55	50.00	50.63	6.00	10.15	3.00	2.16	30.10	.41	" "
6.50	50.00	53.97	6.00	11.38	3.00	2.98	24.00	1.17	" "

A—Also detected Ground Barley.
B—Ingredients on sack differ from license.
C—Acid Insoluble Ash 0.39%.
D—Acid Insoluble Ash 0.30%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Bradley & Baker, Baltimore, Md. (Continued)	
"Bradbake" Fish Meal	Baltimore
"Bradbake" Fish Meal	Elkton
Dried Beet Pulp	Clinton
Wheat Bran, with G. S. N. Ex. M. R.	Baltimore
Wheat Standard Middlings, with G. S. N. Ex. M. R.	Baltimore
Wheat Standard Middlings, with G. S. Ex. M. R.	Baltimore
C. H. Braun & Sons, Inc., Baltimore, Md.	
*Encore Brand 50% Meat and Bone Scrap	Baltimore
Encore Brand 50% Meat and Bone Scrap	Baltimore
Encore Brand 45% Meat and Bone Scrap	Cardiff
Encore Brand 45% Meat and Bone Scrap	Baltimore
Encore Brand 45% Meat and Bone Scrap	Cardiff
Encore Brand 60% Digester Tankage	Hagerstown
P. M. Brooks, Chestertown, Md.	
Rose Bud 20% Special Dairy Feed	Chestertown
Rose Bud Sunshine Turkey Grower	Chestertown
Brooks Supply Co., Reisterstown, Md.	
"Brooks Special" Egg Mash	Reisterstown
W. K. Brown, Baltimore, Md.	
*Worthmore Laying Mash	Baltimore
Herbert Bryant, Inc., Alexandria, Va.	
*50% Meat Scrap	Gaithersburg
†50% Meat Scrap	Gaithersburg
*50% Meat Scrap	Washington Grove
50% Meat Scrap	Washington Grove
Pure Ground Fish for Poultry	Gaithersburg
Bryant's Home 32% Dairy Feed	Washington Grove
Bryant's Home 26% Dairy Feed	Washington Grove
*Bryant's 20% Prize Winner Dairy Feed	Washington Grove
"HB" Laying Mash	Washington Grove
Bryant's New Deal Laying Mash	Washington Grove
Cambridge Mfg. Co., Cambridge, Md.	
New Vim Molasses Dairy Feed	Cambridge
New-Vim Molasses Dairy Feed	Cambridge
New-Vim Molasses Dairy Feed	Cambridge
New-Vim Molasses Dairy Feed	Cambridge
Gets 'Em Laying Mash	Cambrigde
Moore's Laying Mash	Cambridge
New-Vim Special Laying Mash	Cambridge
New-Vim Super Laying Mash	Cambridge
New-Vim Turkey Growing	Cambridge
New-Vim Turkey Grower Special	Cambridge
Camden Grain Co., Camden, N. J.	
Camden Brand Dried Brewers Grain	Goldsboro

*Deficient in protein or fat.
†Deficient in both protein and fat.
‡Not Licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.45	58.00	59.15	6.00	8.40	3.00	.63	22.70	1.67	A.
6.17	58.00	58.80	6.00	9.31	3.00	1.50	22.35	1.87	A.
2.71	7.50	11.37	.50	.59	20.00	12.26	7.70	65.37	As declared on sack.
9.66	13.00	15.09	4.00	3.72	13.00	12.42	7.05	52.06	" "
10.78	14.00	12.99	4.00	5.33	9.50	2.86	2.30	65.74	" "
9.10	14.00	16.76	4.00	4.39	9.50	9.00	5.85	54.90	" "
6.49	50.00	48.18	6.00	11.45	3.00	1.86	33.60	.....	" "
6.96	50.00	51.25	6.00	12.32	3.00	1.36	27.10	1.01	" "
5.47	45.00	45.81	6.00	12.06	3.00	1.84	33.00	1.82	" "
6.10	45.00	45.81	6.00	15.58	3.00	2.31	28.30	1.90	" "
6.08	45.00	46.91	6.00	12.65	3.00	2.37	31.00	.99	" "
6.45	60.00	60.64	6.00	7.74	3.00	1.52	21.60	2.05	" "
8.73	20.00	19.18	4.50	4.25	9.50	7.95	6.36	53.53	" "
8.51	20.00	19.13	5.00	5.13	6.00	6.02	8.73	52.48	" "
9.29	18.00	19.48	4.00	4.01	7.00	8.68	7.70	50.84	" "
9.68	20.00	18.60	3.00	3.65	9.00	7.45	12.05	48.57	" "
6.34	50.00	47.82	10.00	9.81	2.00	1.72	34.30	.01	B.
6.25	50.00	48.09	10.00	8.93	2.00	2.20	34.45	.08	B.
6.00	50.00	47.26	10.00	10.95	2.00	1.86	33.80	.13	B.
6.85	50.00	49.10	10.00	10.44	2.00	1.92	34.80	.....	B.
7.44	58.00	60.38	7.00	7.02	1.00	.27	16.15	8.74	As declared on sack.
7.95	32.00	33.35	4.00	5.24	10.00	7.28	7.80	38.38	C.
8.51	26.00	27.73	4.00	4.46	11.00	11.39	7.75	40.16	C.
9.65	20.00	20.36	5.00	4.26	12.00	10.12	6.10	49.51	As declared on sack.
9.52	19.00	19.92	5.00	4.96	6.50	5.37	8.90	51.33	" "
9.16	18.00	19.04	4.00	5.48	8.00	7.92	9.30	49.10	D.
8.68	32.00	31.62	4.50	4.62	9.00	8.53	8.36	38.19	As declared on sack.
8.01	24.00	24.70	4.00	4.39	9.50	9.75	7.76	45.39	" "
8.61	20.00	21.41	4.00	4.30	10.00	9.41	7.27	49.00	" "
8.25	16.00	18.32	3.00	3.53	12.00	10.64	7.36	51.90	" "
8.02	20.00	20.14	5.00	5.56	7.00	6.05	10.64	49.59	" "
8.08	20.00	20.01	5.00	6.36	5.00	6.09	11.55	47.91	" "
8.46	20.00	20.01	5.00	4.95	7.00	5.63	11.50	49.45	" "
8.07	20.00	20.88	5.00	5.12	7.00	5.97	11.75	48.21	" "
8.26	25.00	25.10	4.00	5.30	5.00	3.98	12.90	44.46	" "
7.91	20.00	21.41	5.00	4.25	9.00	7.27	12.20	46.96	" "
6.68	24.00	26.94	6.00	5.96	17.00	16.19	3.85	40.38	" "

A—Fat and Fibre guarantee on sack differ from license.
B—Should be designated as Meat and Bone Scrap.
C—Fibre guarantee on sack differs from license.
D—Fat and Fibre guarantee and Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Cannon Valley Milling Co., Minneapolis, Minn.	
Cannon Valley Pure Wheat Bran	Baltimore
Carter & Yates Milling Co., Centreville, Md.	
Red Star Laying Mash	Centreville
Red Star Pig and Hog Feed	Centreville
Red Star Turkey Starter and Grower	Centreville
Cecil County Milling Co., Rising Sun, Md.	
Rising Sun Brand 16% Dairy Feed	Rising Sun
Rising Sun Brand Laying Mash, with DBM	Rising Sun
Rising Sun Brand All Mash Grower	Rising Sun
Central Purchasing Bureau, State of Md., Baltimore, Md.	
*C. P. B. Dairy Feed	Breathedsville
†C. P. B. Dairy Feed	Reisterstown
C. P. B. Dairy Feed	Waterbury
C. P. B. Dairy Feed	Sykesville
C. P. B. Dairy Feed	Catonsville
C. P. B. Dairy Feed	Waterbury
C. P. B. Dairy Feed	Jessups
C. P. B. Dry Cow Feed	Jessups
C. P. B. Fitting Ration	Sykesville
C. P. B. Lay Mash	Waterbury
C. P. B. Lay Mash	Waterbury
*C. P. B. Lay Mash	Sykesville
C. P. B. Laying Mash	Sykesville
C. P. B. Laying Mash	Breathedsville
C. P. B. Growing Mash	Frederick
C. P. B. Horse Feed	Catonsville
C. P. B. Horse Feed	Waterbury
Central Soya Co., Inc., Decatur, Ind.	
Central 41% Protein Soy Bean Oil Meal	Frederick
Chapin & Co., Hammond, Ind.	
Unicorn Dairy Ration 24%	Baltimore
Chesapeake Co., Chestertown, Md.	
Chesapeake 50% Meat and Bone Scrap	Chestertown
Chewsville Cooperative Assoc., Inc., Chewsville, Md.	
Thrivont 32% Mixing Ration	Chewsville
Thrivont Milk Maker	Chewsville
Chewsville Maryland Laying Mash	Chewsville
Thrivont Laying Mash	Chewsville
Thrivont Growing Feed	Chewsville
*Thrivont Pig and Hog Meal	Chewsville
Thrivont Broiler Ration	Chewsville
Clinton Co., Clinton, Iowa	
Clinton Corn Gluten Feed	Baltimore

*Deficient in protein or fat.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.16	15.50	16.67	4.80	5.05	11.00	9.47	7.15	52.50	As declared on sack.
8.77	20.00	20.62	4.00	4.75	8.00	7.00	9.2	49.61	A.
10.28	18.00	17.99	3.50	3.89	7.00	5.41	5.60	56.83	As declared on sack.
8.34	18.00	19.33	4.00	4.33	10.00	6.95	8.88	52.17	A.
9.08	16.00	16.18	3.50	4.12	12.00	12.13	9.07	49.42	As declared on sack.
9.16	20.00	21.94	4.50	4.65	5.00	6.02	11.30	46.93	" "
8.49	16.00	16.67	4.00	4.55	6.00	4.83	9.20	56.26	" "
9.44	32.00	32.54	5.00	4.30	9.00	9.06	.....	.....	" "
9.56	32.00	29.11	5.00	3.87	9.00	9.31	.....	.....	" "
8.01	20.00	22.27	4.00	4.25	11.00	11.27	.....	.....	" "
10.07	20.00	21.95	4.00	3.98	11.00	8.35	.....	.....	" "
8.50	20.00	21.27	4.00	4.29	11.00	9.50	.....	.....	" "
10.83	20.00	21.21	4.00	4.29	11.00	10.45	.....	.....	" "
10.34	20.00	22.13	4.00	3.92	11.00	9.66	.....	.....	" "
11.25	12.00	15.83	3.00	3.13	7.00	10.08	.....	.....	B.
10 25	12.00	14.02	3.00	3.48	7.00	6.94	.....	.....	As declared on sack.
.....	18.00	19.04	4.50	6.14	6.00	7.17	.....	.....	" "
.....	18.00	18.60	4.50	6.46	6.00	8.03	.....	.....	" "
.....	18.00	16.67	4.50	6.21	6.00	8.79	.....	.....	C.
.....	18.00	20.62	4.50	5.67	6.00	5.08	.....	.....	As declared on sack.
.....	18.00	18.78	4.50	6.07	6.00	6.03	.....	.....	D.
.....	16.00	17.99	4.00	7.02	6.00	5.45	.....	.....	As declared on sack.
10.28	9.00	11.13	3.50	3.54	8.00	8.77	.....	.....	" "
9.80	9.00	11.93	3.50	3.50	8.00	8.58	.....	.....	" "
8.84	41.00	41.42	4.50	5.38	7.00	6.04	5.75	32.57	" "
10.54	24.00	24.38	4.50	4.19	10.00	8.16	9.03	43.70	" "
6.10	50.00	51.07	8.00	14.87	3.00	1.96	24.90	1.10	" "
7.89	32.00	31.94	4.50	5.24	9.00	9.07	12.30	33.56	" "
7.85	23.00	25.97	5.00	4.64	7.00	9.43	10.55	41.56	A.
9.11	19.00	19.92	5.00	5.04	8.00	4.59	9.35	51.99	A.
9.79	19.00	19.66	5.00	4.84	8.00	4.13	10.10	51.48	A.
10.08	16.00	16.41	4.00	4.52	6.00	4.38	7.60	57.01	As declared on sack.
9.55	15.00	17.38	5.00	4.32	8.00	5.74	7.30	55.71	" "
9.94	18.00	17.02	4.00	4.50	8.00	5.27	6.95	56.32	" "
7.37	25.00	27.82	2.00	2.72	8.50	7.14	8.25	46.70	" "

A—Ingredients on sack differ from license.
B—Also detected Corn Distillers Grains and Trace of Malt Sprouts.
C—Alfalfa Meal and not Leaf Meal apparently used, judging from the amount of Alfalfa Stems present.
D—Unable to detect Feeding Oatmeal—also detected Ground Oats.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Edna M. Clipp, Sharpsburg, Md.	
Clipp's Egg Mash	Sharpsburg
Herbert K. Clofine, Philadelphia, Pa.	
Supreme Brand Dried Skim Milk	Baltimore
Supreme Brand Dried Skim Milk	Ellicott City
J. Henry Clusman & Co., Baltimore, Md.	
Reliance Laying Mash, with Complete Vitamins	Baltimore
Reliance Growing Mash, with Complete Vitamins	Baltimore
Kings Best Horse Feed	Baltimore
Cohn & Bock Co., Princess Anne, Md.	
C & B Laying Mash, with 4% Dried Milk	Princess Anne
C & B Growing Mash, with 4% Dried Milk	Princess Anne
C & B Chick Starter, with 5% Dried Milk and Cod Liver Oil	Princess Anne
Collis Products Co., St. Paul, Minn.	
Collis Process Dried Buttermilk	Germantown
Commander-Larabee Corp., Minneapolis, Minn.	
Sunfed Wheat Flour Middlings, with G. S. N. Ex. M. R.	Hagerstown
G. E. Conkey Co., Cleveland, Ohio	
Conkey's Y-O (Brand) 32% Supplement Mash	Hagerstown
Conkey's Y-O (Brand) Egg Mash	Hagerstown
Conkey's Y-O (Brand) Growing Mash	Hagerstown
Conkey's Geccofat Station Fattener, with BM	Hagerstown
L. A. Conner, Newark, Md.	
Made Well Laying Mash	Newark
Consolidated By-Product Co., Philadelphia, Pa.	
50% Consolidated Beef and Bone Scrap	Berlin
Consumers Import Co., Inc., New York, N. Y.	
Cico Fish Meal	Baltimore
Cico Steamed Bone Meal	Baltimore
Continental Distilling Corp., Philadelphia, Pa.	
Corn and Rye Distillers Grains	Snow Hill
Corn Distillers Dried Grains	Ellicott City
Continental Milling & Feed Co., Ellicott City, Md.	
Maryland Maide Dairy Feed 24%	Ellicott City
Polka Dot Dairy Feed 24%	Ellicott City
Preferd Dairy Feed 16%	Ellicott City
*Patapsco Dairy Feed 16%	Ellicott City
Continental Laying Mash	Ellicott City
Polka Dot All Mash Laying Ration	Ellicott City
Polka Dot Laying Mash	Ellicott City
Polka Dot Pig Meal	Ellicott City
‡Preferred Developing Grains	Raspeburg
‡Preferred Chick Grains	Raspeburg

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.21	20.00	20.78	4.50	4.21	6.00	6.01	7.40	52.39	As declared on sack.
.....	32.00	32.38	.25	x .85	.....	.....	8.05	.....	" "
.....	32.00	34.31	.25	x1.77	.....	.....	8.10	.....	" "
9.40	20.00	21.06	4.00	5.16	7.00	8.56	10.47	45.35	" "
9.68	18.00	18.61	4.00	5.49	7.00	6.61	7.70	51.91	" "
8.05	10.00	11.18	3.00	3.99	12.00	9.38	3.84	63.56	A.
8.42	20.00	20.01	4.50	4.47	6.00	4.77	9.15	53.18	As declared on sack.
8.48	16.00	17.29	4.50	4.24	6.00	5.51	9.40	55.08	" "
8.35	18.00	18.78	5.00	4.82	5.20	5.71	8.20	54.14	" "
.....	30.00	30.10	5.00	x5.22	.....	.....	7.90	.....	" "
9.79	16.00	18.87	4.00	4.46	6.00	6.13	4.30	56.45	" "
6.65	32.00	33.17	5.00	7.07	10.00	7.07	16.70	29.34	" "
8.58	20.00	21.32	4.00	6.30	7.00	5.86	10.10	47.84	" "
8.34	18.00	18.08	4.00	6.09	7.00	6.10	8.00	53.39	" "
7.47	14.50	17.02	4.50	5.74	5.00	4.25	5.10	60.42	" "
8.64	19.00	21.06	5.00	4.78	5.00	7.34	7.50	50.68	" "
6.15	50.00	54.69	7.00	11.64	3.00	1.91	25.05	.56	" "
7.93	58.00	61.08	1.00	7.17	1.00	.60	14.75	8.47	" "
2.74	5.14	6.32	1.00	1.74	1.00	.18	85.80	3.22	" "
6.84	23.00	27.20	7.00	7.43	15.00	15.08	2.80	40.65	" "
7.15	25.00	25.10	7.00	6.53	15.00	15.64	2.60	42.98	" "
9.01	24.00	24.48	4.50	5.06	9.00	8.77	8.99	43.69	" "
9.65	24.00	24.13	4.00	5.20	10.00	9.89	7.90	43.23	" "
8.90	16.00	20.27	4.00	4.24	12.00	7.03	7.70	51.86	" "
10.22	16.00	17.20	4.00	3.45	12.50	10.73	9.12	49.28	" "
8.56	20.00	21.06	5.00	4.75	6.00	6.71	10.05	48.78	" "
8.99	15.75	17.72	3.75	4.49	7.00	7.42	12.50	48.88	" "
8.40	20.00	20.71	5.00	4.89	6.00	6.53	9.80	49.67	" "
7.40	18.00	18.95	4.00	4.27	7.00	6.95	8.60	53.83	" "
9.94	10.00	10.09	2.50	4.64	5.00	2.41	1.70	71.22	B.
10.00	10.00	11.58	2.50	4.31	5.00	2.15	2.00	69.96	As declared on sack.

x—Fat as determined by the Roese-Gottlieb Method.
A—Fat and fibre guarantee and Ingredients on sack differ from license.
B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Corn Products Refining Co., New York, N. Y.	
Diamond Corn Gluten Meal	Baltimore
Heavy Buffalo Corn Gluten Feed (Sweetened)	Baltimore
Damascus Milling Co., Damascus, Md.	
*King's Special Hog Feed	Damascus
Davis Milling Co., Inc., Norfolk, Va.	
Soy Bean Oil Meal	Detour
Davison Chemical Corp., Baltimore, Md.	
Oberco 50% Meat and Bone Scrap	Woodsboro
Oberco 50% Meat and Bone Scrap	Chewsville
Oberco 50% Meat and Bone Scrap	Germantown
East Coast Pure Fish Meal	Baltimore
East Coast Pure Fish Meal	Derwood
East Coast Pure Fish Meal	Hagerstown
East Coast Pure Fish Meal	Maryland Line
‡East Coast Dehydrated Tomato Pomace	Pocomoke City
Dawe's Products Co., Denver, Col.	
Vitamelk Base	Frederick
Delaware Mills, Inc., Deposit, N. Y.	
*‡Delaware 32% Dairy Supplement	Ingleside
*Indian Sweet 24% Dairy Feed	Ingleside
*Indian Sweet 24% Dairy Feed	Ingleside
Delco Sweet 20% Diary Feed	Ingleside
Indian Sweet 20% Dairy Feed	Ingleside
Delco Laying Mash (with Dried Skim Milk)	Ingleside
Delaware Laying Mash (with Cod Liver Oil and Dried Skim Milk)	Federalsburg
*‡Indian Growing Mash (with Dried Skim Milk)	Federalsburg
Delaware Starter and Broiler Ration (with Dried Skim Milk and Cod Liver Oil	Federalsburg
‡Indian Scratch Grains	Church Hill
Del-Mar-Va Milling Co., Inc., Snow Hill, Md.	
Stagg's Milkalene Dairy Feed	Snow Hill
Stagg's Egg Producer	Snow Hill
Stagg's Yellow Leg Broiler Ration	Snow Hill
Stagg's Developing Ration	Snow Hill
Stagg's Turkey Starter and Grower	Snow Hill
Denver Alfalfa Milling & Products Co., Lamar, Col.	
Alfalfa Meal	Mt. Airy
‡Cut Alfalfa Meal	Mt. Airy
Derwood Mill, Derwood, Md.	
Derwood 32% Dairy Feed	Derwood
Derwood 26% Dairy Feed	Derwood
Derwood 20% Dairy Feed	Derwood
Derwood Laying Mash	Derwood

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.31	43.00	44.05	1.00	2.66	4.00	2.38	2.90	40.70	As declared on sack.
8.29	20.00	20.27	1.00	1.49	7.00	6.47	6.80	56.68	" "
9.01	20.00	17.99	5.00	4.83	8.00	8.35	8.90	50.92	A.
8.28	45.00	47.21	4.00	6.84	7.00	5.25	5.45	26.97	As declared on sack.
7.07	50.00	51.42	8.00	11.03	3.00	2.49	26.75	1.24	" "
6.49	50.00	49.84	8.00	10.37	3.00	2.03	30.50	.77	" "
6.98	50.00	49.10	8.00	10.62	3.00	2.37	32.60	.....	" "
8.39	58.00	60.20	5.00	11.12	3.00	1.02	18.00	1.27	" "
8.08	58.00	61.25	5.00	8.84	3.00	.71	19.05	2.17	" "
8.02	58.00	60.72	5.00	9.24	3.00	.74	21.10	.18	" "
8.98	58.00	58.80	5.00	11.29	3.00	.94	19.80	.19	" "
6.65	20.00	24.39	10.50	15.09	28.00	30.11	3.65	20.11	" "
7.95	44.00	48.35	4.50	5.23	4.00	3.33	10.65	24.49	" "
8.66	32.00	29.87	4.00	5.46	9.00	8.68	9.10	38.23	" "
9.55	24.00	22.69	4.00	4.32	12.00	12.05	8.30	43.09	" "
9.77	24.00	19.90	4.00	3.72	12.00	11.29	8.47	46.85	" "
8.16	20.00	21.49	4.50	4.33	10.00	8.52	9.76	47.74	" "
9.87	20.00	19.98	4.00	4.49	12.00	11.85	8.77	45.04	" "
8.31	17.00	19.48	4.00	4.88	9.00	7.74	9.20	50.39	" "
9.03	20.00	20.01	5.00	6.76	7.00	6.99	8.45	48.76	" "
10.51	15.00	15.80	4.50	3.77	7.00	6.45	6.60	56.87	" "
9.04	18.00	19.48	4.50	4.99	6.00	6.23	8.23	52.03	B.
11.01	10.00	12.37	2.50	2.20	4.00	2.61	2.05	69.76	C.
10.24	20.00	22.58	4.00	4.01	10.00	7.83	6.96	48.38	D.
7.74	20.00	21.59	4.50	4.34	7.00	6.75	8.80	50.78	As declared on sack.
9.00	18.00	18.52	4.00	4.72	6.00	5.84	7.70	54.22	" "
8.10	17.00	21.32	4.00	4.08	6.00	7.04	7.95	51.51	" "
7.69	24.00	24.31	4.00	4.29	6.00	7.88	10.55	45.28	" "
7.01	13.00	13.51	1.00	2.94	33.00	32.20	9.30	35.04	" "
7.23	13.00	15.45	1.00	2.70	33.00	29.31	9.40	35.91	" "
9.66	32.00	31.05	4.00	4.88	9.00	7.35	9.02	38.04	" "
9.88	26.00	25.82	4.00	4.68	10.00	10.86	7.00	41.76	C.
9.88	20.00	20.61	4.00	3.97	12.00	10.74	6.19	48.61	C.
8.15	20.00	21.50	4.00	5.71	8.00	7.00	10.55	47.09	As declared on sack.

A—Protein; Fat and Fibre guarantee on sack differ from license. Also detected Ground Corn.
B—Also detected Corn Gluten Feed.
C—Unable to detect Milo Maize and Kaffir Corn.
D—Unable to detect Beet Pulp—also detected Dried Brewers Grains.
E—Unable to detect Dried Beet Pulp.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Derwood Mill, Derwood, Md., (Continued)	
Derwood Growing Mash	Derwood
Derwood Turkey Mash	Derwood
Abner Devilbiss, Union Bridge, Md.	
Carrollton Laying Mash	Union Bridge
Carrollton Pig Feed	Union Bridge
Devilbiss Bros. New Windsor, Md.	
A. No. 1 Laying Mash	New Windsor
Dickey Bros., Washington, D. C.	
Capitol Dairy Feed	Hyattsville
Capitol Laying Mash	Hyattsville
Capitol Growing Grains	Hyattsville
Benning Scratch	Hyattsville
Capitol Scratch Grains	Hyattsville
Dietrich & Gambrill, Inc., Frederick, Md.	
Gambri l's High Protein Dairy Feed	Sykesville
Gambrill's A. 1. Dairy Feed	Baltimore
Gambrill's A. 1. Dairy Feed	Sykesville
Gambrill's 16% Dairy Feed	Baltimore
Canton Laying Mash	Fallston
Gambrill's Laying Mash	Lewistown
Gambrill's Growing Mash	Berwyn
D. & G. Poultry Conditioning Ration	Hagerstown
Frederick Horse Feed	Baltimore
Gambrill's Horse Feed	Baltimore
Gambrill's Hog Meal	Baltimore
Gambrill's Hog Meal	Hagerstown
D. & G. Turkey Growing Mash	Baltimore
D. & G. Turkey Growing Mash	Hagerstown
D. & G. Turkey All Mash Starter	Baltimore
D. & G. Turkey All Mash Starter	Sykesville
William H. Dolby, White Haven, Md.	
*Dolbey's Best Ultra-Lifed 18% Laying Mash	White Haven
*Dolbey's Hog Feed	White Haven
Dried Grains Corp., Baltimore, Md.	
†Gra-Co Stock Feed	Parkton
Dryden Milling Co., Pocomoke City, Md.	
Dryden's Laying Mash	Pocomoke City
Dryden's Growing Mash	Pocomoke City
Dryden's All Mash	Pocomoke City
Duluth Universal Milling Co., Duluth, Minn.	
‡Universal Bran, with G. S. N. Ex. M. R.	Fallston
Ezl. Dunwoody Co., Philadelphia, Pa.	
Super X Sardine Fish Meal	Berlin
‡Super X Wheat Flour Middlings	Snow Hill

*Deficient in protein or fat.
‡Not licensed at time of sale.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.35	19.00	19.57	4.00	5.36	7.00	5.98	10.15	49.59	As declared on sack.
7.56	21.00	22.90	4.00	5.90	7.00	9.41	12.10	42.13	" "
12.06	18.00	18.25	3.50	4.08	4.50	6.32	7.70	51.59	C.
12.01	18.00	17.47	3.50	5.01	4.50	3.99	9.45	52.07	As declared on sack.
9.57	20.00	22.64	4.00	6.04	8.00	6.83	8.76	46.16	" "
8.45	20.00	21.94	4.00	4.51	11.00	8.28	6.44	50.38	" "
8.28	20.00	20.53	5.00	5.23	7.00	8.02	8.55	49.39	" "
10.08	10.00	10.18	3.00	3.92	3.00	2.28	1.90	71.64	" "
9.87	10.00	10.27	3.00	2.78	5.00	3.38	2.05	71.65	" "
10.65	10.00	9.83	2.50	2.55	4.00	2.71	1.35	72.91	" "
8.00	32.00	34.33	5.00	4.91	9.00	9.89	8.35	34.52	" "
8.00	24.00	25.43	4.60	4.39	9.00	9.44	6.96	45.78	" "
9.33	24.00	23.96	4.60	4.20	9.00	9.32	6.04	47.15	" "
8.00	16.00	18.38	3.50	3.74	12.00	12.01	6.35	51.52	" "
8.87	20.00	21.76	4.00	4.89	8.00	6.18	5.60	52.70	" "
9.34	20.00	21.50	5.00	5.71	7.00	7.59	7.65	48.21	" "
8.24	18.00	19.66	4.00	4.99	7.00	5.28	6.10	55.73	" "
7.88	15.00	18.16	6.00	7.11	6.00	3.92	12.60	50.33	" "
9.01	7.00	8.41	2.00	2.15	12.00	11.51	5.07	63.85	" "
10.59	10.00	10.01	3.50	3.49	12.00	7.48	3.07	65.36	" "
8.52	18.00	19.13	4.00	3.95	8.00	6.82	7.70	53.88	" "
10.46	18.00	19.92	4.00	4.58	8.00	6.28	6.27	52.49	" "
8.90	20.00	21.06	4.00	4.50	8.00	7.15	10.20	48.19	" "
8.41	20.20	22.46	4.00	5.62	8.00	6.68	9.40	47.43	" "
8.37	24.00	25.27	4.50	5.91	7.00	5.14	9.55	45.76	" "
8.40	24.00	25.27	4.50	5.37	7.00	6.51	8.80	45.65	" "
10.35	18.00	15.75	4.50	4.74	6.50	4.65	9.64	54.87	" "
10.66	18.00	16.50	4.00	4.25	6.00	5.52	7.45	55.62	" "
9.66	16.00	12.80	5.00	4.10	15.00	13.82	2.93	56.69	" "
8.63	18.00	19.83	4.50	4.89	8.00	7.26	8.25	51.14	" "
9.06	16.00	16.67	3.50	4.55	5.00	5.75	7.55	56.42	" "
8.63	18.00	18.08	3.75	4.28	5.00	4.89	8.50	55.62	" "
10.04	16.00	18.16	4.50	4.47	11.00	9.07	6.45	51.81	" "
5.49	60.00	59.50	4.50	6.39	1.50	1.03	18.95	8.64	" "
11.06	16.00	17.11	4.00	4.40	6.00	6.44	4.40	56.59	" "

C—Protein; Fat and Fibre guarantee on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Eagle Mills, Pocomoke City, Md.	
R. C. D. Laying Mash	Pocomoke City
R. C. D. Growing Mash	Pocomoke City
Dryden's Chick Starter, with Cod Liver Oil	Pocomoke City
Early & Daniel Co., Cincinnati, Ohio	
Tuxedo Egg Maker Mash	Salisbury
Tuxedo Egg Mash	Salisbury
Cincy Egg Mash	Salisbury
Tuxedo Poultry Fattener	Salisbury
Tuxedo Turkey Growing and Developing Mash	Salisbury
Tuxedo Rabbit Feed	Salisbury
Eastern Grain Growers, Hagerstown, Md.	
Magic Dairy Feed	Hagerstown
Magic Poultry Mash	Hagerstown
*Magic Hog Ration	Hagerstown
Eastern Service Corp., Cambridge, Md.	
"Esco" No. 1 Egg Mash	Cambridge
"Esco" Growing Mash	Cambridge
Eastern States Farmers' Exchange, Springfield, Mass.	
E. S. Fulpail Open Formula Dairy Ration	Snow Hill
E. S. Producer 20 Open Formula	Salisbury
E. S. Combination Mash Open Formula	Snow Hill
E. S. Hog Meal Open Formula	Snow Hill
E. S. Developer Open Formula	Salisbury
E. S. Producer Mash Open Formula	Salisbury
E. S. Fattener Mash Open Formula	Snow Hill
E. S. Starting and Broiler Ration Open Formula	Snow Hill
Easton Milling Co., Easton, Md.	
Talbot Dairy Feed	Easton
Talbot Laying Mash, with Dried Milk	Easton
Pasture Feed	Easton
W. T. Eddington & Son, Federalsburg, Md.	
Special Laying Mash	Federalsburg
Egg-O-Milk Co., Baltimore, Md.	
Egg-O-Milk Co's Blend	Federalsburg
*Egg-O-Milk Co's Blend	Germantown
Englar & Sponseller, Westminster, Md.	
"Meadow-Brook" Laying Mash	Westminster
Pure Wheat Bran	Westminster
Wheat Middlings, with M. R. S.	Westminster
John W. Eshelman & Sons, Lancaster, Pa.	
Eshelman Red Rose O. P. Soybean Oil Meal	Snow Hill
Eshelman Red Rose 24 Dairy Feed	Baltimore

*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.86	20.00	19.92	5.00	4.68	8.00	8.03	6.85	53.06	As declared on sack.
8.60	16.00	16.41	4.00	3.87	7.00	5.69	6.85	58.58	" "
8.85	16.00	17.38	4.50	4.52	6.00	4.54	6.75	57.96	" "
9.02	20.00	21.60	4.00	5.35	7.00	5.62	10.51	47.90	" "
10.85	18.00	17.40	4.00	5.96	7.00	4.65	7.11	54.03	" "
9.08	20.00	22.24	4.00	4.65	7.50	7.97	7.28	48.78	" "
7.95	14.00	15.88	4.50	5.22	6.00	7.25	5.20	58.50	" "
10.64	21.00	21.07	5.00	5.10	6.00	5.98	7.62	49.59	" "
9.74	14.00	15.15	3.25	3.19	7.50	6.70	6.24	58.98	" "
8.80	16.00	16.11	3.50	4.29	12.00	9.49	11.50	49.81	A.
10.06	16.00	17.81	4.00	3.98	6.00	5.09	7.47	55.59	B.
8.49	20.00	21.24	5.00	3.94	5.00	5.85	9.85	50.63	C.
8.18	18.50	20.27	4.00	5.14	7.50	6.57	10.70	49.14	As declared on sack.
7.91	17.00	21.32	4.00	5.47	7.00	7.16	10.60	47.54	" "
10.84	20.00	22.16	4.50	4.74	8.50	8.18	6.08	48.00	" "
9.05	20.00	20.80	4.00	5.48	6.00	5.05	11.30	48.32	" "
8.66	15.00	16.41	4.00	5.34	6.50	5.72	7.15	56.72	" "
9.30	14.50	15.53	4.00	5.18	5.00	4.89	8.75	56.35	" "
7.53	18.50	19.31	4.00	5.17	6.50	6.46	9.60	51.93	" "
7.04	17.00	17.38	4.00	6.01	6.50	5.81	9.35	54.41	" "
7.39	14.50	15.88	4.00	5.49	5.00	4.92	4.10	62.22	" "
8.71	18.50	19.57	4.00	5.27	5.00	4.27	8.00	54.18	" "
8.93	20.00	21.24	4.00	4.11	8.00	8.58	5.49	51.65	C.
8.34	19.00	21.40	4.00	5.44	8.00	5.05	9.81	49.96	D.
8.07	16.00	15.19	3.00	4.15	10.00	6.44	5.52	60.63	C.
7.53	15.27	19.39	3.67	4.80	5.67	6.56	13.50	48.22	E.
9.86	32.00	31.77	1.50	1.64	4.00	2.45	5.70	48.58	F.
9.23	32.00	32.29	2.00	1.34	4.00	3.02	6.26	47.86	" "
8.53	20.45	21.41	5.50	4.65	10.45	8.97	8.25	48.19	" "
8.53	15.50	14.51	3.28	3.34	10.27	10.78	6.44	56.40	" "
8.68	16.00	17.02	4.00	5.03	6.00	4.72	4.80	59.75	" "
10.09	41.00	41.77	5.00	5.21	7.00	5.41	6.20	31.32	" "
8.15	24.00	25.44	4.00	4.39	11.00	9.17	9.56	43.29	" "

A—Protein guarantee and ingredients on sack differ from license.
B—Fat and Fibre guarantee and ingredients on sack differ from license.
C—Ingredients on sack differ from license.
D—Protein and Fibre guarantee and Ingredients on sack differ from license.
E—Unable to detect Corn Gluten Feed.
F—Fat guarantee on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
John W. Eshelman & Sons, Lancaster, Pa., (Continued)	
Eshelman Conestoga 20 Dairy Feed	Baltimore
Eshelman Conestoga 20 Dairy Feed	Rising Sun
Eshelman Pennsy 16 Dairy Feed	Rising Sun
‡Eshelman Maintenance 16% Dairy Feed	Bel Air
Eshelman Pennsy Laying Mash	Baltimore
Eshelman Pennsy Laying Mash	Darlington
*Eshelman Pennsy Laying Mash, with Cod Liver Oil	Silver Spring
Eshelman Red Rose Laying Mash, with Cod Liver Oil	Salisbury
Eshelman Red Rose Laying Mash	Westover
Eshelman Red Rose Growing Mash, with Cod Liver Oil	Salisbury
Eshelman Red Rose 85 Horse Feed	Baltimore
Eshelman Red Rose Pig and Hog Meal	Baltimore
Farmers Cooperative Assoc., Inc., Frederick, Md.	
Farco 32% Cooperative Supplement	Walkersville
Farco 32% Cooperative Supplement	Frederick
Farco 24% Milk Producer	Frederick
Farco 16% Dairy Feed	Frederick
Farco Cooperative Egg Producer	Frederick
Farmers Feed Co., New York, N. Y.	
"Bull Brand" Dried Brewers Grains	Baltimore
Farmers Fertilizer & Feed Co., Westminster, Md.	
Farmers 24% Dairy Feed	Westinmster
Farmers Favorite Laying Mash	Westminster
Farmers Favorite Fattening Mash	Westminster
Farmers Favorite Pig Meal	Westminster
Farmers Supply Co., Inc., Denton, Md.	
Fasuco Laying Mash	Denton
Fasuco Hog Feed	Denton
Farmers Supply Co., Walkersville, Md.	
Hog Feed	Walkersville
Fasco Mill Products, Mendota, Ill.	
‡Fine Ground Feeding Oatmeal	Pocomoke City
Feed Mor Products, Westminster, Md.	
Meat Meal	Motters
Tankage	Motters
Feed Products Co., Baltimore, Md.	
††Rye Distillers Grains, with Molasses	Bel Air
Ferneau Grain Co., Blanchester, Ohio	
F. Distillers Dried Grains	Hagerstown
*F. Distillers Dried Grains	Baltimore
*F. Distillers Dried Grains	Baltimore
F. Distillers Dried Grains	Gaithersburg
F. Distillers Dried Grains	Bel Air

*Deficient in protein or fat.
‡Not licensed at time of sale.
†Deficient in both protein and fat.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
9.19	20.00	21.24	4.00	5.22	11.00	9.56	7.93	46.86	As declared on sack.
9.66	20.00	21.46	4.00	4.56	11.00	10.89	10.12	43.31	" "
10.05	16.00	18.34	3.00	4.11	11.00	10.27	10.86	46.37	" "
9.99	16.00	16.04	3.00	3.54	11.00	10.79	10.09	49.55	" "
8.01	18.00	18.48	5.00	5.52	8.50	7.54	8.39	52.06	" "
9.66	18.00	19.52	5.00	4.73	8.50	7.79	8.57	49.73	" "
9.62	18.00	19.20	5.00	4.30	8.50	8.21	9.05	49.62	" "
7.70	20.00	21.25	5.00	5.41	7.00	7.26	9.60	48.78	" "
8.23	20.00	21.76	5.00	5.11	7.00	7.14	9.50	48.26	" "
7.34	16.00	18.25	4.00	5.00	7.00	7.08	6.90	55.43	" "
9.19	9.00	10.88	3.00	3.60	10.00	7.81	4.44	64.08	" "
9.22	16.00	19.39	5.00	5.05	10.00	8.54	8.95	48.85	" "
8.00	32.00	34.31	3.00	4.92	7.00	7.40	8.31	37.06	A.
8.25	32.00	32.14	3.00	4.92	7.00	8.25	8.50	37.94	A.
8.26	24.00	26.40	3.50	4.68	12.00	12.41	7.49	40.76	A.
9.17	16.00	21.02	3.00	4.22	14.00	11.40	7.48	46.71	A.
9.97	20.00	21.67	4.00	4.59	7.00	5.18	8.10	50.49	A.
7.45	26.00	27.64	6.00	5.87	17.00	15.26	3.85	39.93	As declared on sack.
8.63	24.00	25.89	4.00	5.30	12.00	11.20	8.48	40.50	" "
9.57	20.00	20.71	4.50	5.93	10.00	9.36	8.15	46.28	" "
8.19	14.50	17.99	4.00	4.81	7.00	5.50	5.70	57.81	" "
10.55	18.00	18.95	5.00	5.51	10.00	5.79	7.75	51.45	" "
8.40	20.00	21.59	5.00	5.01	8.00	6.42	10.45	48.13	" "
9.06	15.00	14.92	5.00	4.55	7.00	5.64	7.50	58.33	" "
8.65	15.00	16.85	4.00	4.50	4.50	3.99	5.10	60.91	A.
9.17	15.00	16.06	5.00	5.58	2.75	3.18	2.30	63.71	As declared on sack.
6.24	55.00	55.29	5.00	9.88	4.00	1.25	25.50	1.84	" "
5.70	35.00	35.98	5.00	18.25	2.50	4.67	31.05	4.35	" "
12.09	18.00	16.42	5.00	3.81	20.00	10.22	4.15	53.31	" "
7.81	24.00	24.31	6.00	6.12	16.00	14.53	3.55	43.68	" "
5.69	24.00	22.29	6.00	6.72	16.00	15.06	3.20	47.04	" "
6.82	20.00	18.96	5.00	5.91	16.00	13.09	4.50	50.72	" "
7.32	20.00	21.59	5.00	5.66	16.00	13.60	3.10	48.73	" "
7.45	20.00	19.92	5.00	5.52	16.00	14.92	3.15	49.04	" "

A—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
J. A. Forrest Co., Minneapolis, Minn.	
Fine Ground Feeding Oatmeal	Elkton
‡Fine Ground Feeding Oatmeal	Baltimore
Fox Co., Inc., Newfield, N. J.	
Fox Fish Meal	Pocomoke City
Fullerton Supply Co., Overlea, Md.	
Fullerton Laying Mash	Overlea
Fullerton Starting and Growing Mash	Overlea
Galestown Milling Co., Galestown, Md.	
Never Stop All Purpose Mash	Galestown
G. M. C. Scratch Feed	Galestown
Gall & Smith, Thurmont, Md.	
G. & S. Laying Mash	Thurmont
Gambrill Grain Products Co., Baltimore, Md.	
*Skor 20% Dairy Feed	Baltimore
Milkaid 16% Dairy Feed	Baltimore
Gambrill's AA. Laying Mash	Baltimore
Hen-Lay Laying Mash	Baltimore
Gambrill's AA. Growing Mash	Baltimore
Gambrill's AA. Fattening Mash	Baltimore
General Mills, Inc., Minneapolis, Minn.	
Washburn's Gold Medal Hard Wheat Bran and Wheat Screenings	Owing Mills
Washburn's Gold Medal Hard Wheat Standard Middlings and Wheat Screenings	Owings Mills
Georgia Distributing Co., Atlanta, Ga.	
41% Protein Peanut Meal	Baltimore
41% Protein Peanut Meal	Baltimore
Gold Dust 41% Cottonseed Meal	Baltimore
Gerard Milk Products Co., Philadelphia, Pa.	
Gerard Milkmalt Blend	Cambridge
Glade Valley Milling Co., Walkersville, Md.	
*Gee Vee 32% Dairy Feed	Walkersville
Gee Vee Dairy Feed	Walkersville
Gee Vee Laying Mash	Walkersville
Glidden Co. Soya Products Division, Chicago, Ill.	
‡"Diamond G. Brand" Soybean Oil Meal	Harmony Grove
Golden Grain Mills, Inc., Harrisburg, Pa.	
‡Golden Grain Mash Concentrate	Reisterstown
‡Golden Grain Growing Mash	Reisterstown
‡Capitol Hog Feed	Reisterstown
‡Capitol Scratch	Reisterstown
‡Golden Grain Turkey Mash, with Milk and Oil	Reisterstown

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.81	15.00	17.72	6.00	7.57	4.00	3.85	2.30	58.75	As declared on sack.
10.60	15.00	16.50	6.00	5.82	4.00	4.70	2.80	59.58	" "
7.08	55.00	64.59	3.00	6.08	3.00	.59	16.05	5.61	" "
8.33	20.00	21.41	4.50	5.72	6.50	7.03	9.80	47.71	" "
8.15	16.00	17.99	4.50	5.58	6.00	5.95	9.00	53.33	" "
8.60	15.50	15.80	4.00	4.14	7.00	6.80	7.45	57.21	" "
9.86	9.00	10.53	3.00	2.86	4.00	2.78	1.53	72.44	" "
9.28	20.00	19.66	4.00	4.31	10.00	4.89	8.35	53.51	A.
9.97	20.00	23.64	4.00	3.09	13.00	10.55	8.61	44.15	As declared on sack.
10.50	16.00	19.11	3.00	3.46	15.00	10.41	7.64	48.88	" "
10.15	20.00	20.88	3.50	4.06	8.00	7.66	11.75	45.50	" "
9.16	18.00	19.92	3.50	4.03	8.00	4.49	9.45	52.95	" "
9.19	16.00	17.72	4.00	4.25	7.00	6.09	8.95	53.80	" "
8.95	14.00	15.27	4.00	4.65	6.00	4.45	5.50	61.18	" "
9.57	14.00	16.15	4.00	5.13	12.00	10.83	6.15	52.17	" "
9.35	15.00	17.55	4.00	4.86	9.50	7.57	4.35	56.32	" "
6.36	41.00	41.34	6.00	6.45	14.00	19.78	6.38	19.69	B.
6.12	41.00	41.42	6.00	6.28	14.00	19.23	6.56	20.39	B.
8.41	41.00	40.63	6.00	6.55	10.00	10.93	6.05	27.43	As declared on sack.
.....	32.00	31.94	1.50	x2.71	.....	.....	6.20	.....	C.
8.88	32.00	30.71	7.00	7.75	11.00	10.38	6.30	35.98	" "
10.60	20.00	21.94	3.00	4.20	9.00	8.01	6.85	48.40	" "
9.39	20.00	19.57	5.00	5.67	6.00	5.19	10.60	49.58	" "
7.18	41.00	42.56	4.50	5.29	7.00	6.13	6.00	32.84	" "
7.03	32.00	32.03	4.00	7.29	8.00	7.38	11.80	34.47	" "
8.17	16.00	22.46	4.00	5.23	6.00	9.24	8.05	46.85	" "
7.87	16.00	21.94	4.00	4.75	10.00	9.27	8.90	47.27	D.
11.68	9.00	9.65	3.00	3.04	3.00	2.89	1.65	71.09	As declared on sack.
8.86	17.00	22.46	4.00	5.87	8.00	10.29	8.85	43.67	" "

A—Also detected Ground Wheat and\or Wheat Screenings.
x—Fat as determined by the Roese-Gottlieb Method.
B—Contains a larger amount of Hulls than is usually found in a 41% Protein Peanut Meal.
C—Protein and Fat guarantee on sack differ from license.
D—Also detected Molasses.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Goldsboro Milling Co., Goldsboro, Md.	
*Marvil Five Point Mash	Goldsboro
Great Atlantic & Pacific Tea Co., New York, N. Y.	
Milky Way Dairy Feed 24%	Chestertown
Milky Way Dairy Feed 20%	Chestertown
*Daily Milk Dairy Feed	Chestertown
Daily Egg Laying Mash Feed	Chestertown
Green-Acre Farms, Nazareth, Pa.	
‡Green Acre Alfalfa Meal	Snow Hill
Green-Mish Co., Washington, D. C.	
"Green Tag Brand" Prime Peanut Meal	Frederick
"Green Tag Prime" Cotton Seed Meal	Linwood
Wm. D. Groff, Owings Mills, Md.	
Wil-Gro Laying Mash	Owings Mills
Hales & Hunter Co., Chicago, Ill.	
Special Red Horn 24% Dairy Feed	Baltimore
Special Red Horn 20.00 Dairy Feed	Annapolis
*Gold Flake 16% Dairy Feed	Baltimore
*Gold Flake 16% Dairy Feed	Baltimore
Red Comb Egg Mash, with DBM	Baltimore
Kingfalfa Horse Feed	Baltimore
Pioneer Pig and Hog Feed	Annapolis
‡Pioneer Hog Fattener	Cumberland
*Red Comb Crate Fattener, with Rolled Oats	Baltimore
‡Red Comb Coarse Chick No Grit	Annapolis
Red Comb Turkey Grower, with DBM	Baltimore
‡Red Comb Turkey Grower, with DBM	Baltimore
C. A. Hall, Girdletree, Md.	
Hall's Laying Mash	Girdletree
Hall's Starter and Growing Mash	Girdletree
Dwight Hamlin Co., Pittsburgh, Pa.	
Hamlin's Dried Brewers Grains	Hagerstown
Hampstead Fertilizer Co., Hampstead, Md.	
*R-E-M Home Made Laying Mash	Hampstead
Home Made Hog Feed	Hampstead
Frank Harbaugh, Middleburg, Md.	
Use More Dairy Feed	Middleburg
Use More Pig and Hog Meal	Middleburg
Hecker-H-O Co., Inc., Buffalo, N. Y.	
Oat Mill Feed	Baltimore

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found				
8.65	20.00	18.95	4.50	4.43	9.00	9.50	9.80	48.67	As declared on sack.	
10.86	24.00	24.64	3.50	3.54	9.00	8.71	8.41	43.84	"	"
10.61	20.00	21.24	3.50	3.65	9.00	9.05	7.94	47.51	"	"
8.55	16.00	15.40	3.50	2.88	12.00	7.69	7.71	57.77	"	"
7.50	20.00	19.92	4.00	4.35	6.50	7.10	11.65	49.48	"	"
7.38	10.00	11.58	2.00	1.77	30.00	25.70	14.90	38.67	"	"
4.75	45.00	46.51	6.00	7.56	12.00	12.97	5.10	23.11	"	"
7.08	41.00	41.94	5.00	5.51	13.00	12.02	6.05	27.40	"	"
8.54	18.00	18.60	5.00	4.75	8.00	8.80	8.95	50.36	"	"
8.01	24.00	23.26	3.50	3.60	12.00	11.12	7.33	46.68	"	"
9.11	20.00	22.64	3.50	3.60	12.00	12.70	6.88	45.07	"	"
8.11	16.00	17.56	3.50	2.88	15.00	13.76	9.16	48.53	"	"
9.73	16.00	17.80	3.50	2.89	15.00	13.01	9.59	46.98	"	"
8.77	18.00	19.83	4.00	4.70	7.00	6.68	9.20	50.82	"	"
8.01	9.00	11.87	2.50	3.67	10.00	8.35	3.87	64.23	"	"
8.35	20.00	21.05	4.00	4.82	8.00	6.57	13.01	46.20	"	"
9.58	15.00	15.02	3.25	3.58	7.00	6.96	8.65	56.21	"	"
9.89	13.00	14.22	4.00	3.18	6.00	6.63	7.25	58.83	"	"
9.35	10.00	11.58	2.50	2.87	5.00	2.61	1.85	71.74	"	"
8.75	21.00	22.29	4.00	4.17	7.00	6.92	10.75	47.12	"	"
7.25	21.00	21.67	4.00	4.83	7.00	6.92	9.75	49.58	"	"
9.15	16.00	18.69	4.50	4.69	6.50	6.84	6.65	53.98	"	"
8.65	19.00	19.13	4.50	5.17	6.50	7.09	7.15	52.81	B.	
7.57	24.00	25.62	6.00	7.63	18.00	15.61	3.80	39.77	As declared on sack.	
8.55	20.00	18.39	4.50	4.59	8.00	9.43	8.20	50.84	"	"
9.43	15.00	16.41	4.00	4.42	8.00	7.49	6.85	55.40	"	"
8.59	16.50	23.05	4.00	3.84	10.00	9.07	7.03	48.42	A.	
9.88	19.00	19.13	5.00	5.43	5.00	5.82	8.60	51.14	As declared on sack.	
6.86	6.00	7.02	1.50	1.97	28.00	26.82	7.15	50.18	"	"

A—Ingredients on sack differ from license.
B—Also detected Charcoal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hecker-Jones-Jewell Milling Div. of Standard Milling Co., Buffalo, N. Y.	
Choice Wheat Bran, with Ground Screen, N. Ex. M. R.	Baltimore
Wheat Standard Middlings, with G. S. N. Ex. M. R.	Hagerstown
De Vries R. Hering, Sykesville, Md.	
24% Dairy Feed	Sykesville
16% Dairy Feed	Sykesville
*Hering's Laying Mash, with BM. and Cod Liver Oil	Sykesville
Growing Mash	Sykesville
Hering's Pig Meal	Sykesville
Hershey Creamery Co., Harrisburg, Pa.	
Hershey's Superior Powdered Skim Milk	Hagerstown
Hespenheide & Thompson, Inc., York, Pa.	
Premier 32% Farm Mixing Feed	Parkton
Dictator 24% Dairy Feed	Baltimore
Premier 24% Dairy Feed (Sweet)	Jerrettsville
Premier 16 Dairy Feed	Parkton
Premier Egg Mash, with BM., Charcoal and Minerals	Baltimroe
Premier Egg Mash, with BM., Charcoal and Minerals	Parkton
York Laying Mash	Jarrettsville
York Growing Mash, with Cod Liver Oil	Parkton
Premier Broiler Ration	Parkton
Premier Developing Mash, with Cod Liver Oil	Parkton
Premier Pig and Hog Meal	Baltimore
Premier Crate Fattening Mash	Baltimore
Premier Turkey Developer	Parkton
John P. Howard, Hagerstown, Md.	
Howard's Poultry Mash	Hagerstown
Howard's Pigeon Feed, with Corn	Hagerstown
*Howard's Pigeon Feed, without Corn	Hagerstown
Hubbard Milling Co., Mankato, Minn.	
Hubbard's Sunshine Concentrate (with Cod Liver Oil)	Cambridge
Hurlock Milling Co., Hurlock, Md.	
*Best Quality Laying Mash	Hurlock
Huston, Culver & Co., Seaford, Del.	
Fish Meal	Berlin
Fish Meal	Preston
Independent Manufacturing Co., Philadelphia, Pa.	
Independent's 50% Meat Scrap and Bone	St. Michaels
Independent's 50% Meat Scrap and Bone	Elkton
Ingleside Milling Co., Ingleside, Md.	
Ingleside Dairy Feed	Ingleside
Ingleside Laying Mash	Ingleside
Ingleside Turkey Mash	Ingleside

*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.81	13.50	16.15	3.50	4.95	14.00	10.95	6.55	53.59	As declared on sack.
9.60	15.00	19.04	4.75	5.45	9.50	7.44	4.60	53.87	" "
10.04	24.00	24.65	4.00	5.03	8.50	6.66	10.54	43.08	" "
10.76	16.00	15.83	3.50	3.87	9.50	7.85	7.03	54.66	" "
10.18	20.00	18.81	5.00	5.38	7.00	6.22	9.30	50.11	A.
9.71	18.00	18.36	4.50	5.53	6.00	6.51	9.50	50.39	B.
10.37	18.00	18.98	3.50	3.18	5.00	4.88	7.90	53.69	As declared on sack.
.....	32.00	34.22	.25	x1.52	.....	.....	8.05	.....	" "
9.81	32.00	32.76	4.00	4.24	10.00	8.41	6.76	38.02	" "
9.33	24.00	24.49	3.50	3.98	12.00	7.04	6.30	48.86	" "
10.92	24.00	24.75	4.00	3.79	12.00	7.46	6.78	46.30	" "
10.70	16.00	17.77	3.00	2.82	12.00	12.56	9.26	46.89	" "
9.09	20.00	20.01	4.50	5.02	7.00	7.21	8.05	50.62	" "
8.65	20.00	21.06	4.50	5.51	7.00	8.47	9.40	46.91	" "
9.52	18.00	20.85	3.00	5.08	7.50	6.69	8.18	49.68	" "
8.66	17.00	19.19	4.00	4.69	6.50	6.70	8.01	52.75	B.
8.59	18.50	18.52	4.00	5.00	5.50	5.31	7.60	54.98	As declared on sack.
8.57	15.00	19.39	3.00	5.79	7.00	6.71	8.75	50.79	" "
8.07	16.00	16.85	4.00	4.58	7.00	7.75	10.50	52.25	" "
8.30	15.00	16.67	4.00	3.98	6.50	5.36	6.05	59.64	" "
9.01	20.00	20.01	3.50	5.00	8.00	6.46	8.40	51.12	" "
8.89	18.00	17.55	5.00	4.59	7.00	5.57	11.55	51.85	C.
10.21	12.50	12.46	3.25	3.48	3.50	2.72	1.70	69.43	As declared on sack.
10.07	14.00	14.92	3.00	2.12	4.00	3.42	2.40	67.07	" "
7.31	32.00	32.82	5.00	6.77	7.00	5.87	13.20	34.03	" "
7.02	20.50	20.45	4.95	4.04	9.62	7.49	11.75	49.25	D.
8.87	55.00	59.85	4.00	10.14	1.00	1.19	19.85	.10	As declared on sack.
9.11	55.00	62.17	4.00	4.13	1.00	.34	18.20	6.05	" "
7.65	50.00	51.95	8.00	13.51	3.00	2.24	28.35	.....	" "
5.17	50.00	50.42	8.00	11.63	3.00	1.29	31.05	.44	" "
8.39	20.00	21.94	3.00	4.28	14.00	10.99	6.45	47.95	" "
8.29	17.00	19.13	3.50	4.79	9.50	9.63	11.05	47.11	" "
7.85	20.00	21.94	4.50	4.78	10.00	9.79	14.80	40.84	" "

A—Contains Alfalfa Meal and not Alfalfa Leaf Meal.
B—Also detected Bone Charcoal.
C—Also detected Charcoal.
D—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
International Milling Co., Minneapolis, Minn.	
Blackhawk Pure Wheat Bran	Frederick
James Irelands Mills, Easton, Md.	
Pure Wheat Bran	Easton
W. J. Jennison Co., Minneapolis, Minn.	
Sweet Cream Pure Wheat Bran	Elkton
Kasco Mills, Inc., Waverly, N. Y.	
†Kasco 32% Mixing Feed	Annapolis
Beatsall Milk Grains	Kennedysville
Kasco Sweet 16% Dairy Feed	Hagerstown
‡Kasco Bulky Sweet Feed	Annapolis
‡Kasco Farm Feed	Hagerstown
Kasco Farm Feed	Annapolis
*Apex Laying Mash	Annapolis
Oc-Sak Laying Mash	Hagerstown
Oc-Sak Laying Mash	Hagerstown
Kasco Poultry Fattener	Hagerstown
‡Kasco Special Horse and Mule Feed	Hancock
Kasco Pig-Hog Feed	Hagerstown
Kasco Turkey Grower	Annapolis
Keedysville Milling Co., Inc., Keedysville, Md.	
*Eureka Laying Mash	Keedysville
Kemo Mills, Toledo, Ohio	
Kayo Poultry Mash	Annapolis
Kenton Flour Mills, Kenton, Del.	
Wheat Bran	Denton
F. P. Keppel, Rising Sun, Md.	
Laying Mash	Rising Sun
Kershaw Oil Mill, Kershaw, S. C.	
Palmetto Brand Cottonseed Meal	Hagerstown
Palmetto Brand Cottonseed Meal	Frederick
Key Grain & Feed Co., Keymar, Md.	
The Key 32% Dairy Ration	Keymar
The Key Dairy Ration	Detour
The Detour Laying Mash	Detour
The Key Laying Mash	Detour
The Key Pig Meal	Detour
King Bros. & Co., Philadelphia, Pa.	
King's Pure Dried Skim Milk	Cambridge
Charles F. Knock, Frederick, Md.	
Laying Mash	Frederick

*Deficient in protein or fat.
†Deficient in both protein and fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.18	15.00	17.11	3.20	3.84	12.00	10.32	6.00	53.55	As declared on sack.
9.13	13.00	14.30	3.00	3.36	10.00	6.16	4.39	62.66	" "
10.55	15.00	16.15	4.00	4.96	12.00	9.76	7.10	51.48	" "
9.89	32.00	30.38	5.00	4.49	10.00	10.11	6.33	38.80	" "
8.48	22.00	24.08	4.00	4.20	10.00	8.39	9.55	45.30	" "
9.96	16.00	18.44	3.50	3.64	12.00	11.14	9.14	47.68	A.
11.42	9.00	15.55	1.50	3.54	15.00	11.63	9.63	48.23	As declared on sack.
8.83	16.00	17.29	4.00	4.84	9.00	8.17	9.75	51.12	" "
10.46	16.00	15.36	4.00	5.68	9.00	7.53	6.55	54.42	" "
9.29	20.00	18.87	4.00	4.36	8.50	6.52	12.85	48.11	" "
8.60	17.00	17.55	3.50	4.87	8.50	7.89	10.20	50.89	" "
9.05	17.00	18.87	3.50	4.79	8.50	8.28	10.58	48.43	" "
9.25	13.00	14.92	4.50	4.47	5.00	3.08	10.75	57.53	" "
10.02	10.00	10.37	3.00	2.96	12.00	8.04	4.46	64.15	" "
8.63	17.00	18.87	4.50	5.51	7.50	7.54	7.19	52.26	B.
8.90	20.00	20.88	4.00	4.38	8.00	8.19	11.60	46.05	As declared on sack.
9.53	20.00	21.15	5.00	4.32	7.00	6.84	11.45	46.71	C.
9.41	15.00	17.42	3.50	3.73	8.50	8.03	11.02	50.40	As declared on sack.
9.51	.....	13.78	.....	3.54	.....	9.89	6.45	56.83	D.
9.52	20.00	19.92	4.50	4.36	6.00	5.54	10.65	50.01	As declared on sack.
6.29	41.00	41.68	6.00	7.22	10.00	9.71	6.70	28.40	" "
6.73	41.00	41.24	6.00	6.69	10.00	10.67	6.70	27.97	" "
7.55	32.00	33.52	4.75	5.18	9.00	9.05	7.65	37.05	E.
9.81	20.00	21.94	4.00	5.09	11.00	8.53	7.90	46.73	As declared on sack.
9.59	19.00	19.92	4.50	5.00	9.00	7.79	10.00	47.70	" "
8.99	19.00	19.39	5.00	4.92	7.00	6.23	10.00	50.47	" "
9.94	17.00	17.20	4.00	5.66	7.00	6.76	8.10	52.34	" "
.....	30.00	34.84	1.00	x1.05	.....	.....	8.15	.....	" "
8.51	18.00	18.60	3.00	6.29	6.00	4.50	8.05	54.05	F.

x—Fat as determined by the Roese-Gottlieb Method.
A—Also detected Whole Weed Seed.
B—Also detected Charcoal.
C—Ingredients on sack differ from license.
D—Contains 7.35% Material consisting chiefly of Crushed Wheat.
E—Fibre guarantee and ingredients on sack differ from license.
F—Unable to detect Corn Gluten Meal and Linseed Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Kraft-Phenix Cheese Corp., Chicago, Ill.	
Delyn (Dried Casein Whey)	Westminster
Delyn (Dried Casein Whey)	Baltimore
Chas. A. Krause Milling Co., Milwaukee, Wis.	
Badger White Hominy Feed	Hagerstown
H. Curtis Krout, Maryland Line, Md.	
Krout's Dairy Ration	Maryland Line
Krout's Chick Developer	Maryland Line
Kuder Orange Meal Co., Los Angeles, Calif.	
‡Kuder Orange Meal	Baltimore
La Grange Mills, Red Wing, Minn.	
Pure Wheat Bran	Rising Sun
Pure Flour Middlings	Rising Sun
Larrowe Milling Co., Detroit, Mich.	
Larrowe's 32 Dairy Feed	Centreville
Larro The Ready Ration for Dairy Cows	Hampstead
Larro The Ready Ration for Dairy Cows	Silver Spring
Larro The Ready Ration for Dairy Cows	Baltimore
Larrowe's 16 Dairy Feed	Baltimore
Larrowe's 16 Dairy Feed	Centreville
Larro Egg Mash	Baltimore
Larro Egg Mash	Hampstead
Larro Egg Mash	Silver Spring
Larro Egg Mash Pellets	Baltimore
‡Larro Egg Mash Pellets	Rockville
Larro Pig Feed	Baltimore
Larro Broiler Feed	Baltimore
Dried Beet Pulp	Annapolis
Larro Chick Builder	Baltimore
Larro Chick Builder	Silver Spring
Larro Turkey Adult Mash	Baltimore
Larro Turkey Grower	Silver Spring
Leisters Feed Store, Millers, Md.	
Hamco Egg Mash	Millers
John T. Lewis & Bros. Co., Philadelphia, Pa.	
‡J. T. Lewis O. P. Linseed Meal	Germantown
Lewis 32% O. P. Linseed Meal	Frederick
Liberty Milling Co., Germantown, Md.	
Montgomery 26% Dairy Ration	Germantown
Liberty 22% Dairy Feed	Germantown
Liberty Egg Mash	Germantown
Liberty Egg Mash	Germantown
Liberty Hog Meal	Germantown

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
.....	10.50	12.02	.50	x1.06	.....	.....	13.05	.....	As declared on sack.
.....	10.50	10.79	.50	x1.26	.....	.....	12.85	.....	" "
9.27	10.00	11.76	6.00	6.25	5.00	5.73	3.10	63.89	" "
8.54	20.00	21.94	3.75	4.34	12.00	9.42	7.45	48.31	" "
9.57	19.00	18.15	4.00	4.02	7.00	6.32	7.00	54.94	" "
7.54	8.00	8.34	2.00	2.15	12.00	12.70	3.75	65.52	A.
9.02	15.00	17.64	4.50	4.68	13.00	10.69	6.95	51.02	" "
9.18	16.50	18.60	3.50	3.99	5.00	3.56	3.30	61.37	" "
7.89	32.00	32.82	4.00	4.52	10.50	10.04	9.30	35.43	" "
8.89	20.00	21.24	3.75	3.83	12.00	10.65	7.18	48.21	" "
7.44	20.00	21.15	3.75	3.95	12.00	10.62	6.40	50.44	" "
9.35	20.00	20.88	3.75	3.84	12.00	9.23	6.50	50.20	" "
7.96	16.00	17.38	3.00	3.29	11.00	10.64	6.10	54.63	" "
8.80	16.00	17.46	3.00	3.47	11.00	10.54	6.40	53.33	" "
8.45	20.00	21.50	4.00	4.84	7.50	6.91	9.85	48.45	" "
8.87	20.00	21.06	4.00	5.04	7.50	7.05	9.90	48.08	" "
8.95	20.00	21.50	4.00	4.04	7.50	7.39	8.90	49.22	" "
9.39	20.00	21.24	4.00	4.91	7.50	6.95	9.55	47.96	" "
8.72	20.00	21.67	4.00	4.75	7.50	7.34	9.70	47.82	" "
8.19	17.50	18.95	4.00	5.15	7.50	8.18	10.00	49.53	" "
8.50	18.00	20.27	4.00	4.98	6.50	5.92	9.15	51.33	" "
7.61	7.00	9.39	.30	.58	22.50	21.20	4.60	56.62	" "
9.28	19.00	20.45	4.00	5.06	7.00	7.09	9.70	48.42	" "
9.01	19.00	21.24	4.00	4.50	7.00	6.98	9.19	49.08	" "
7.69	20.00	24.04	4.00	4.70	7.50	6.31	10.95	46.31	" "
8.23	24.00	25.18	4.50	4.69	6.50	5.87	11.70	44.33	" "
8.61	20.00	19.70	4.00	5.78	8.00	8.48	12.10	45.33	" "
7.45	34.00	34.58	5.00	5.35	10.00	7.88	7.20	37.54	B.
7.65	32.00	32.03	5.00	5.41	10.00	8.92	6.60	39.39	C.
7.69	26.00	27.38	5.00	4.84	9.00	9.87	8.80	41.42	" "
7.92	22.00	23.08	5.00	4.69	10.00	12.91	7.25	44.15	" "
9.40	19.00	22.90	4.50	5.80	7.00	6.77	11.10	44.03	D.
8.77	19.00	22.55	4.50	5.38	7.00	6.49	10.75	46.06	E.
8.17	18.00	21.94	5.00	5.21	5.00	8.05	8.75	47.88	As declared on sack.

x—Fat as determined by the Roese-Gottlieb Method.
A—Protein and Fat guarantee on sack differ from license.
B—Acid Insoluble Ash 0.10%.
C—Acid Insoluble Ash 0.15%.
D—Protein guarantee and ingredients on sacj differ from license.
E—Protein guarantee on sack differed from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Linwood Elevator Co., Linwood, Md.	
Linwood Dairy Feed	Linwood
Linwood Laying Mash	Linwood
Linwood Complete Pig Meal	Linwood
Lone Maple Tree Poultry Farm, Preston, Md.	
Lone Maple Tree Chick Starter	Preston
L. B. Lovitt & Co., Memphis, Tenn.	
"Lovit Brand" 41% Protein Cottonseed Meal	Hagerstown
"Lovit Brand" 41% Protein Cottonseed Meal	Boyds
Maple Leaf Milling Co., Ltd., Toronto, Canada	
Rex Wheat Bran, with Screen. N. Ex. M. R.	Baltimore
Rex Wheat Middlings with Screen. N. Ex. M. R.	Maugansville
Rex Wheat Middlings witn Screen. N. Ex. M. R.	Baltimore
C. J. Martenis Grain Co., New York, N. Y.	
‡Alco Dried Brewer Grains	Elkton
Maritime Milling Co., Inc., Buffalo, N. Y.	
B-B. Hi-Test Dairy Feed 24% Protein Sweetened	Baltimore
Sweetened Bull Brand "24" Dairy Ration	Baltimore
B-B Marmico 16% Protein Dairy Feed, with Molasses	Baltimore
B-B Daisy Egg Mash Vitamized, with Cod Liver Oil & DBM.	White Hall
B-B Daisy Egg Mash, with DBM	Baltimore
Bull Brand Laying Mash, with Milk Sugar Feed & DBM.	Baltimore
Bull Brand Pig and Hog Meal, with Minerals	Baltimore
J. D. Earl Martin, Hagerstown, Md.	
16% Dairy Feed	Hagerstown
Maurer Manufacturing Co., Newark, N. J.	
Kwality Meat and Bone Scrap	Berlin
McMillen Feed Mills, Inc., Decatur, Ind.	
Master Mix 34% Mash Concentrate	Lineboro
Master Mixing Feed	Lineboro
Master Mix 40% Hog Concentrate	Lineboro
Meadow Brook Farms, Nazareth, Pa.	
‡Meadow Brook Farms Brand Superior Alfalfa Meal	Cambridge
Meadow Brook Farms Brand Superior Alfalfa Meal	Derwood
Meadow Brook Farms Brand Superior Alfalfa Meal	Elkton
Menhaden Fish Products Co., Baltimore, Md.	
Pure Ground Fish Meal	White Hall
Mennel Milling Co., Toledo, Ohio	
‡Memo 85% Grain Horse Feed	Chestertown
Henry Mesner & Son, Baltimore, Md.	
E-Z-Fed Laying Mash, with BM., Cod Liver Oil and Minerals	Baltimore

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.20	16.00	21.24	3.50	4.24	15.00	10.99	8.30	48.03	As declared on sack.
10.41	18.00	20.97	4.50	4.93	8.00	6.45	9.00	48.24	" "
9.51	15.00	18.87	4.50	4.62	6.00	6.44	7.80	52.76	" "
8.59	15.00	16.41	4.00	4.81	6.00	6.68	7.45	56.06	A.
7.46	41.00	41.07	5.00	5.89	13.00	10.61	6.00	28.97	As declared on sack.
6.00	41.00	42.21	5.00	10.28	13.00	11.72	6.05	23.74	" "
9.48	15.00	15.88	3.50	4.15	12.00	10.36	5.65	54.48	" "
10.50	16.00	17.02	5.00	5.24	7.50	8.76	4.40	54.08	" "
9.90	16.00	16.94	5.00	5.12	7.50	8.55	4.40	55.09	" "
9.54	22.00	23.45	6.00	7.05	20.00	17.24	4.53	38.19	" "
9.65	24.00	24.86	4.00	4.10	12.00	11.48	7.15	42.76	" "
10.43	24.00	25.52	4.00	4.19	11.00	11.01	6.97	41.88	" "
10.60	16.00	17.66	4.00	3.71	12.00	15.37	7.21	45.45	" "
8.35	20.00	20.01	3.50	5.50	9.00	9.47	9.90	46.77	" "
8.03	20.00	20.88	3.50	5.14	9.00	8.89	10.00	47.06	" "
8.17	20.00	22.46	4.50	5.47	7.00	7.43	10.25	46.22	" "
9.23	18.00	18.08	4.00	4.05	8.00	9.52	9.90	49.22	" "
10.39	16.00	17.83	3.00	3.42	15.00	13.13	6.05	49.18	A.
7.14	50.00	49.05	6.00	10.50	3.00	2.84	30.10	.37	As declared on sack.
7.98	34.00	34.05	4.00	4.18	8.00	8.06	15.65	30.08	" "
9.81	24.00	25.45	3.00	2.96	8.00	7.39	9.75	44.64	" "
7.80	40.00	40.81	4.00	4.80	8.00	8.09	11.25	27.25	" "
5.49	20.00	21.24	2.00	3.14	20.00	20.01	10.25	39.87	" "
6.22	17.00	21.24	2.00	2.46	27.00	23.60	10.60	35.88	" "
6.89	17.00	19.65	2.00	2.43	27.00	21.10	9.80	40.13	" "
6.83	58.00	59.50	4.00	10.92	1.75	.61	16.35	5.79	" "
9.51	10.00	10.27	3.00	3.05	12.00	5.53	3.15	68.49	" "
8.28	20.00	20.97	4.00	4.81	7.00	7.17	9.98	48.79	" "

A—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Metcalfe Bros., Chestertown, Md.	
Chester Poult Mash	Chestertown
Middletown Flour Mills, Middletown, Del.	
*Soft Winter Wheat Bran	Denton
*Soft Winter Wheat Bran	Denton
†Soft Winter Wheat Middlings	Denton
†Soft Winter Wheat Middlings	Denton
Soft Winter Wheat Middlings	Berlin
John G. Miller, Baltimore, Md.	
Miller's Meat and Bone Scrap	Fallston
Molaso Meal & Mfg. Co., Baltimore, Md.	
Molaso-Meal	Baltimore
Molaso-Meal	Maple Grove
Molaso-Meal	Parkton
Mt. Airy Milling Co., Mt. Airy, Md.	
Lamore Egg Mash	Mt. Airy
Mutual Rendering Co., Inc., Philadelphia, Pa.	
Mureco Meat Scrap	Ellicott City
Mureco Meat Scrap	Baltimore
Mureco Meat Scrap	Denton
Mureco Meat Scrap	Rising Sun
Mureco Meat and Bone Scrap	Frederick
Mureco Meat and Bone Scrap	Denton
Myreco Meat and Bone Scrap	Mardela Springs
Mureco Meat and Bone Scrap	Denton
Mureco Fish Meal	Federalsburg
National Fruit Product Co., Inc., Washington, D. C.	
White House Dehydrated Apple Pulp	Hagerstown
Neumond Co., St. Louis, Mo.	
"Neumond" 24% Dried Brewers' Grains	Frederick
Neustadt Trading Co., Baltimore, Md.	
Dried Skim Milk	Baltimore
Dried Skim Milk	Ellicott City
O. A. Newton & Son Co., Bridgeville, Del.	
"Cedar View" Laying Mash	Hurlock
"Cedar View" Growing Mash	Hurlock
‡"Cedar View Pullet Mash"	Hurlock
"Cedar View All-Mash" Chick Starter	Hurlock
Northern Illinois Cereal Co., Lockport, Ill.	
Reground Oat Feed	Baltimore
Norton & Co., Washington, D. C.	
Bone and Meat Scrap	Derwood
Bone and Meat Scrap	Hyattsville

‡Not licensed at time of sale.
*Deficient in protein or fat.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.69	20.00	21.67	5.00	4.95	14.00	11.11	11.75	42.83	A.
10.22	14.00	12.78	4.00	4.33	8.00	10.24	6.50	55.93	B.
9.59	14.00	12.55	4.00	3.92	8.00	9.73	6.75	57.46	B.
11.38	14.00	11.85	4.00	3.09	8.00	4.18	2.65	66.85	C.
9.17	14.00	11.88	4.00	2.91	8.00	4.45	2.80	68.79	D.
10.54	14.00	14.04	4.00	3.60	8.00	3.84	2.65	65.33	As declared on sack.
6.53	55.00	55.47	5.00	8.78	3.00	2.10	26.30	.82	" "
8.01	10.00	12.20	2.00	3.50	8.00	8.04	9.19	59.06	" "
9.31	10.00	13.12	2.00	4.83	8.00	8.72	7.52	56.50	" "
7.51	10.00	13.51	2.00	4.30	8.00	8.60	7.55	58.53	" "
8.14	18.00	20.27	5.50	5.45	8.00	7.39	12.40	46.35	" "
6.39	55.00	58.00	6.00	9.77	2.00	1.79	25.75	.....	" "
6.96	55.00	56.60	6.00	10.07	2.00	2.52	25.00	.....	" "
6.14	55.00	56.60	6.00	8.89	2.00	2.33	25.85	.19	" "
7.27	55.00	55.29	6.00	9.87	2.00	2.05	24.90	.62	" "
5.73	50.00	50 63	6.00	10.14	2.00	2.81	33.05	.....	" "
5.95	50.00	51.77	6.00	10.13	2.00	2.95	29.00	.20	" "
5.34	50.00	52.04	6.00	10.79	2.00	2.18	29.20	.45	" "
5.64	45.00	45.46	6.00	9.06	2.00	2.06	36.49	1.29	" "
7.00	55.00	60.15	6.00	6.43	2.00	.99	16.34	9.09	" "
8.70	4.50	4.89	3.75	3.78	17.50	15.55	1.76	65.32	E.
7.54	24.00	29.92	4.50	5.36	18.00	11.80	4.10	41.28	As declared on sack.
.....	32.00	33.17	.50	x1.46	.....	.....	8.60	.....	" "
.....	32.00	33.87	.50	x1.10	.....	.....	7.78	.....	" "
9.51	18.00	18.52	4.00	4.79	7.50	6.98	10.50	49.70	" "
9.76	15.00	15.97	3.50	4.78	6.00	5.19	6.55	57.75	" "
9.56	14.00	16.50	3.50	5.00	6.00	5.62	7.90	55.42	" "
9.59	15.00	17.20	3.00	5.27	5.00	4.32	7.25	56.37	" "
6.40	3.50	4.91	1.25	1.05	35.00	33.06	7.20	47.38	" "
6.45	50.00	52.65	8.00	10.92	2.00	1.67	28.15	.16	" "
5.75	50.00	50.02	8.00	8.95	2.00	2.66	32.15	.47	" "

A—Also detected Alfalfa Meal.
B—Fat and Fibre guarantee on sack differ from license.
C—Also detected Screenings 4.75%.
D—Also detected Screenings 4.45%.
E—Fat guarantee on sack differs from license.
x—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Nowak Milling Corp., Hammond, Ind.	
Domino 32% Mixing Dairy Feed	Harmony Grove ....
Domino 24½% Dairy Feed	Ellicott City .....
Fidelity Dairy Feed	Harmony Grove ....
Domino Butterine Dairy Feed	Harmony Grove ....
Union Dairy Feed	Harmony Grove ....
Domino Laying Mash	Harmony Grove ....
Export Laying Mash	Harmony Grove ....
Marathon Laying Mash	Harmony Grove ....
Domino Egg Pel-ets	Harmony Grove ....
Domino Growing and Fattening Turk-ets	Ellicott City .....
Marathon Poultry Fattener	Baltimore.....
Domino Growing and Fattening Turk-ets	Harmony Grove ....
Domino All-In-One Rab-ets	Baltimore.....
*Domino Rabbit Pel-ets	Baltimore.....
Nuttle Milling Co., Denton, Md.	
Ideal Laying Mash, with Cod Liver Oil	Denton.....
Ideal Growing Mash, with BM. and Cod Liver Oil	Denton.....
Ideal Chick Starter, with BM. and Cod Liver Oil	Denton.....
Ideal Turkey Mash, with Cod Liver Oil and BM.	Denton.....
Geo. F. Obrecht, Inc., Baltimore, Md.	
*Obrecht's 24% Dairy Feed	Baltimore.....
Obrecht's Laying Mash	Baltimore.....
Obrecht's O-Lay Mash	Baltimore.....
Obrecht's Poultry Fatner	Baltimore.....
Oldetyme Distillers, Inc., Cedarhurst, Md.	
*Distillers Dried Grains from Rye	Maugansville .....
Ogilville Flour Mills, Co., Winnepeg, Canada	
‡Ogilville Wheat Bran	Baltimore.....
W. S. Oles, Delhi, N. Y.	
‡Milk By-Product Poultry Feed	Hagerstown .....
Owings Bros., York, Pa.	
June Bug 22% Dairy Feed	Jarrettsville .....
16% Dairy Feed	Jarrettsville .....
June Bug Laying Mash, with Cod Liver Oil	Baltimore.....
June Bug Hog Feed	Parkton .....
Park & Pollard Co., Buffalo, N. Y.	
Park and Pollard Mixing Sweetened 32% Ration	Walkersville.....
Manamar Dairy Mixing Ration	Walkersville.....
‡Bidwell 24% Dairy Ration	Walkersville.....
Manamar Doublex 20% Dairy Ration	Walkersville.....
‡Doublex 16% Dairy Ration	Walkersville.....
Lay or Bust Dry-Mash	Princess Anne .....
Manamar Life Cycle Mash	Princess Anne .....
Manamar Life Cycle Mash	Walkersville.....

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.00	32.00	31.62	4.00	4.46	9.00	8.77	11.55	35.60	As declared on sack.
9.92	24.50	23.69	4.50	4.03	9.00	8.92	9.45	43.99	A.
8.17	20.00	22.46	4.00	4.10	11.00	9.32	9.10	46.85	As declared on sack.
9.94	17.00	17.43	4.00	3.91	12.00	12.01	12.25	44.46	" "
9.90	16.00	15.92	3.00	3.64	14.00	13.78	13.15	43.61	" "
9.70	20.00	19.13	4.00	4.31	8.00	6.28	10.40	50.18	" "
8.39	17.00	18.87	3.50	4.24	7.50	6.14	10.70	51.66	" "
9.16	18.00	18.60	3.50	4.53	7.50	6.76	11.75	49.20	" "
8.90	20.00	20.18	4.50	5.05	7.50	8.22	10.10	47.55	" "
8.79	17.00	19.04	4.00	4.62	8.00	7.71	8.10	51.74	" "
8.30	13.50	14.74	4.00	6.97	7.00	5.19	5.05	59.75	" "
8.78	17.00	18.43	4.00	4.95	8.00	8.26	9.20	50.38	" "
8.11	12.00	12.80	3.00	2.93	16.50	14.61	8.10	53.45	" "
8.08	12.00	12.11	4.00	3.34	10.00	8.96	9.90	57.61	" "
8.13	20.00	20.80	5.00	5.41	8.00	7.89	11.70	46.07	" "
8.10	15.00	16.67	4.00	5.45	6.00	5.05	8.65	56.08	A.
8.72	15.00	15.18	4.50	5.34	5.00	4.24	7.60	58.92	As declared on sack.
8.19	18.00	17.99	4.50	5.41	8.00	7.91	9.95	50 55	" "
9.00	24.00	21.94	4.00	4.08	12.00	9.30	7.40	48.28	B.
8.31	20.00	20.62	4.00	6.76	9.00	6.82	11.05	46.44	" "
8.81	18.00	17.99	3.00	5.01	9.00	8.34	9.00	50.85	" "
9.36	13.00	14.65	4.50	6.46	6.00	4.98	6.70	57.85	" "
9.25	20.00	19.04	6.00	5.12	15.00	14.98	6.05	45.56	" "
9.72	15.00	17.46	3.50	5.58	11.50	10.77	6.00	50.47	" "
.....	25.00	28.61	0.00	0.00	.....	.....	24.95	.....	" "
8.94	22.00	22.99	4.00	4.18	11.00	10.52	7.05	46.32	" "
11.00	16.00	18.83	3.00	3.54	12.00	10.78	11.32	44.53	" "
8.23	20.00	20.01	4.00	5.41	9.00	6.44	15.20	44.71	A.
8.83	18.00	17.38	4.00	5.08	10.00	8.34	7.00	53.37	As declared on sack.
8.46	32.00	32.09	4.00	3.56	9.00	7.09	9.97	38.83	C.
8.01	26.00	25.96	4.00	3.86	9.00	8.05	10.30	43.82	As declared on sack.
8.23	24.00	24.98	3.50	4.03	11.00	10.49	9.19	43.08	" "
8.98	20.00	19.92	3.50	3.31	10.00	9.53	9.83	48.43	" "
9.16	16.00	16.27	3.50	3.34	11.00	13.15	10.15	47.93	" "
7.98	18.00	17.90	3.00	5.13	7.00	7.48	7.65	53.86	" "
8.26	16.00	17.29	3.50	4.57	6.00	7.02	9.50	53.36	" "
9.92	16.00	17.72	3.50	5.77	6.00	7.91	9.70	48.97	" "

A—Ingredients on sack differ from license.
B—Fat guarantee on sack differs from license.
C—Also detected Soybean Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
H. G. Payne, Snow Hill, Md.	
Payne's Laying Mash	Snow Hill
Payne's Starting Mash	Snow Hill
Pecos Valley Alfalfa Mill Co., Hagerman, N. M.	
Peevee Alfalfa Leaf Meal	Baltimore
*Peevee Alfalfa Leaf Meal	St. Michaels
Peevee Alfalfa Leaf Meal	Baltimore
Velvet Meal	Baltimore
Velvet Meal	Hampstead
*Alfalfa Meal	Baltimore
Penick & Ford Ltd., Inc., Cedar Rapids, Iowa	
Douglas Corn Gluten Feed	Hagerstown
Douglas Corn Gluten Feed	Ellicott City
‡Douglas Corn Oil Meal	Baltimore
Penn Jersey Feed Mills, Philadelphia, Pa.	
Dried Brewers Grains and Molasses	Snow Hill
Pillsbury Flour Mills Co., Minneapolis, Minn.	
Pillsbury's Hard Wheat Bran, with Ground Wheat Screen. N. Ex. M. R.	Linwood
Pillsbury's Hard Wheat Bran, with Ground Wheat Screen. N. Ex. M. R.	White Hall
Pillsbury's Hard Wheat Standard B. Middlings, with Ground Wheat Screen. N. Ex. M. R.	Linwood
Maurice Pincoffs Co., Houston, Texas	
Maurice Pincoffs Co's 41% Protein Cottonseed Meal	Baltimore
Maurice Pincoffs Co's 41% Protein Cottonseed Meal	Frederick
Planters Nut & Chocolate Co., Suffolk, Va.	
Planters 41% Peanut Meal	Gaithersburg
Pratt Food Co., Buffalo, N. Y.	
Pratt's Sweet 32% Dairy Feed	Chestertown
Pratt's Sweet 24 Dairy Feed	Berwyn
Pratt's 24% Dairy Feed	Chestertown
Utility Sweet 24% Dairy Feed	Ellicott City
Utility Sweet 20% Dairy Feed	Centreville
Pratt's Sweet 16% Dairy Feed	Ellicott City
Pratt's All Mash Laying Ration, with BM.	Ellicott City
Pratt's Laying Mash, with BM.	Berwyn
Pratt's Cak Cak Egg Mash, with BM., Fish, Meat, etc.	Berwyn
Utility Growing Mash	Elkton
Utility Growing Mash	Elkton
Pratt's Growing Mash, with BM.	Berwyn
Pratt's Calf Meal, with BM.	Ellicott City
‡Pratt's Feeding Oatmeal	Centreville
‡Pratt's Pigeon Feed with Corn	Centreville
Pratt's Turkey Growing and Finishing Feed, with BM.	Elkton
Pratt's Turkey Growing and Finishing Feed, with BM.	Elkton
Pratt's Rabbit Pellets, with BM.	Berwyn

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.38	19.00	20.80	4.50	4.95	7.00	7.98	11.40	46.49	A.
8.08	15.00	22.82	4.00	4.71	6.00	5.77	15.35	43.27	A.
8.05	20.00	20.01	2.50	3.19	18.00	18.63	12.20	37.92	As declared on sack.
7.32	20.00	18.87	2.50	3.05	18.00	20.95	11.85	37.96	" "
7.50	20.00	19.37	2.50	2.95	18.00	22.91	13.30	33.97	" "
7.81	17.00	17.11	1.50	3.02	23.00	24.07	9.90	38.09	" "
7.06	17.00	16.67	1.50	2.01	23.00	26.46	9.70	38.10	" "
6.79	13.00	11.85	1.50	1.19	33.00	37.66	8.45	34.06	" "
9.92	25.00	25.27	1.50	2.75	8.50	8.38	6.50	47.18	" "
7.56	25.00	27.47	1.50	2.04	8.50	7.44	6.30	49.19	" "
6.97	20.00	23.69	.75	.67	12.50	12.03	2.40	54.24	" "
8.01	22.00	22.85	5.00	4.76	18.00	7.92	4.74	51.72	" "
9.30	14.00	16.76	4.00	4.65	12.00	11.63	6.80	50.86	" "
9.51	14.00	15.97	4.00	5.18	12.00	11.09	6.15	52.10	" "
9.19	15.00	17.64	4.00	4.59	9.50	8.75	5.28	54.55	" "
7.19	41.00	41.94	5.00	7.58	11.00	10.49	6.25	26.55	" "
7.50	41.00	42.30	5.00	6.63	11.00	12.26	6.65	24.66	" "
5.69	41.00	41.07	6.00	10.09	10.00	4.41	5.30	33.44	" "
8.58	32.00	31.50	4.50	4.83	9.00	7.36	10.63	37.10	" "
10.37	24.00	24.22	4.00	4.07	9.00	7.16	7.56	46.62	" "
7.69	24.00	25.27	4.00	4.63	9.00	9.23	9.50	43.68	" "
10.63	24.00	24.57	3.50	4.46	10.00	8.95	8.15	43.24	" "
9.28	20.00	21.41	3.50	3.56	12.00	11.25	7.64	46.86	" "
10.21	16.00	18.91	3.50	2.83	12.00	11.50	7.61	48.94	" "
7.10	16.50	18.43	4.50	4.62	7.00	5.24	8.90	55.71	" "
8.60	20.00	21.94	4.50	4.43	6.75	6.18	9.85	49.00	" "
8.34	18.00	17.52	4.00	5.64	8.00	7.35	6.28	53.87	" "
7.31	16.00	18.16	4.00	5.65	6.00	5.57	8.35	54.96	" "
8.66	16.00	17.81	4.00	4.95	6.00	5.97	7.75	54.86	" "
7.57	17.50	18.25	4.00	5.53	6.00	6.38	9.95	52.32	" "
8.45	24.50	25.01	4.00	4.08	4.00	3.82	8.90	49.74	" "
7.49	15.00	16.85	5.00	5.44	3.75	3.98	2.65	63.59	" "
9.23	12.00	14.92	2.00	3.15	4.00	4.08	2.25	66.37	" "
7.40	21.00	21.24	5.00	5.59	7.00	7.14	9.35	49.28	" "
7.51	21.00	21.32	5.00	5.05	7.00	7.25	10.20	48.67	" "
9.05	14.00	17.20	3.00	4.57	10.00	8.07	6.40	54.71	" "

A—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Procter & Gamble Distributing Co., Cincinnati, Ohio	
P. & G. Cocoanut Oil Meal	Baltimore
Quaker City Flour Mills Co., Philadelphia, Pa.	
Winter Wheat Bran, with Ground Screen. N. Ex. M. R.	Denton
Quaker Oats Co., Chicago, Ill.	
Quaker 24% Protein Dairy Ration	Owings Mills
Quaker 20% Protein Dairy Ration	Baltimore
Quaker 16% Protein Dairy Ration	Baltimore
Big Egg Laying Mash	Baltimore
Quaker Ful-O-Pep Egg Mash	Baltimore
*Quaker Ful-O-Pep Growing Mash	Baltimore
*Quaker Ful-O-Pep Broiler Mash	Baltimore
Quaker Ful-O-Pep Station Grade Fattening Feed	Baltimore
Quaker Green Cross Horse Feed	Baltimore
Oat Mill Feed, with Molasses	Baltimore
Queen Anne Roller Mill, Queen Anne, Md.	
Queen Anne Poultry Mash	Queen Anne
Ralston Purina Co., St. Louis, Mo.	
41% Protein Cottonseed Meal	Sykesville
Purina Milking Cow Chow (34%)	Frederick
Purina Milking Cow Chow (34%)	Sykesville
Purina Milking Cow Chow (24%)	Taneytown
Purina Milking Cow Chow (24%)	Hyattsville
Purina Milking Cow Chow (20%)	Hyattsville
Purina Dry and Freshening Cow Chow	Baltimore
Purina Dry and Freshening Cow Chow	Frederick
Purina Egg Chowder	Lewistown
Purina Egg Chowder	Sykesville
Purina Egg Chowder	Hyattsville
Purina Lay Chow	Baltimore
Purina Layena (Complete Ration)	Frederick
Purina Layena (Complete Ration)	Sykesville
Purina Broiler Chow	Baltimore
Purina Omolene	Baltimore
Purina Bulky Las Chow (Buffalo Mill)	Baltimore
Purina Heifer Growing Chow	Baltimore
Purina Chick Growena	Baltimore
Purina Turkey Growing and Fattening Chow	Baltimore
Purina Turkey Growing and Fattening Chow	Thurmont
Purina Rabbit Chow (Complete Ration) (Buffalo Mill)	Baltimore
A. F. Rees, Inc., Hanover, Pa.	
Rees Meat Scrap	Taneytown
Reindollar Co., Taneytown, Md.	
20% Dairy Ration	Taneytown
16% Sweet Dairy Feed	Taneytown
Egg Mash	Taneytown
Pig and Hog Meal	Taneytown

*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
9.77	20.00	20.27	5.00	6.83	11.00	11.71	6.90	44.52	As declared on sack.	
9.19	13.00	13.51	3.00	4.03	10.50	9.74	6.70	56.83	"	"
8.48	24.00	23.61	3.50	4.02	12.00	12.76	8.81	42.32	"	"
8.58	20.00	20.51	3.00	3.27	12.00	11.58	7.29	48.77	"	"
8.70	16.00	16.20	3.00	2.91	13.50	13.01	7.29	49.11	"	"
8.18	18.00	17.83	4.00	4.63	8.00	7.28	6.66	55.42	"	"
10.05	20.00	19.02	4.50	5.48	8.00	6.15	8.01	51.29	"	"
9.47	19.00	17.42	5.00	5.32	6.00	5.50	6.38	55.91	"	"
9.31	19.00	17.88	5.00	5.54	7.00	5.63	6.97	54.67	"	"
8.09	12.00	13.78	4.50	5.60	5.50	5.63	2.80	64.10	"	"
9.14	10.00	9.85	2.50	2.62	12.00	10.41	5.50	62.48	"	"
9.03	5.00	5.85	1.50	1.88	28.00	24.63	6.24	52.37	"	"
8.84	19.00	18.95	5.00	5.73	7.00	7.15	9.15	50.18	"	"
7.18	41.00	40.98	5.00	5.40	12.00	10.80	6.80	28.84	"	"
9.00	34.00	34.92	3.50	4.52	12.00	9.65	8.62	33.29	"	"
9.30	34.00	34.31	3.50	4.45	12.00	9.66	9.02	33.26	"	"
8.77	24.00	24.78	4.00	5.27	12.00	10.86	7.45	42.87	"	"
9.15	24.00	25.80	4.00	4.86	12.00	10.96	8.36	40.87	"	"
9.33	20.00	21.18	4.00	4.84	12.00	10.66	7.10	46.89	"	"
9.10	12.50	13.95	2.50	2.94	14.00	12.16	10.29	51.56	"	"
10.57	12.50	15.06	2.50	2.95	14.00	12.29	9.49	49.64	"	"
9.35	19.00	19.48	3.50	5.64	8.00	6.92	10.80	47.81	"	"
8.35	19.00	20.62	3.50	6.09	8.00	5.68	11.25	48.01	"	"
7.71	19.00	20.18	3.50	5.53	8.00	6.56	11.20	48.82	"	"
8.87	19.00	20.36	3.50	6.41	8.00	7.01	11.75	45.60	"	"
9.11	15.50	16.67	3.50	4.81	8.00	5.18	10.20	54.03	"	"
8.64	15.50	17.90	3.50	5.85	8.00	6.93	11.20	49.48	"	"
9.46	18.00	19.66	4.00	5.49	7.00	6.06	8.00	51.33	"	"
9.16	10.00	11.67	3.20	4.05	9.00	8.06	5.30	61.76	"	"
9.16	9.00	12.32	1.30	3.53	15.00	12.22	10.00	52.77	"	"
10.42	14.00	15.89	2.50	3.49	14.00	9.65	8.64	51.91	"	"
9.20	15.00	15.88	3.50	5.20	7.00	6.36	6.80	56.56	"	"
9.67	21.00	20.97	3.50	5.87	8.00	5.58	7.10	50.81	"	"
9.76	21.00	22.55	3.50	5.16	8.00	6.95	7.70	47.88	"	"
9.61	13.50	16.04	2.50	3.60	16.00	12.10	7.49	51.16	"	"
5.24	50.00	55.02	10.00	10.94	2.25	1.27	27.40	.13	A.	
9.19	20.00	21.94	4.00	4.28	12.50	9.35	8.35	46.89	As declared on sack.	
9.96	16.00	15.98	3.00	3.94	11.00	10.84	6.65	52.63	"	"
9.70	20.00	20.27	4.00	5.21	8.00	5.91	11.05	47.86	"	"
8.92	16.50	17.46	4.50	4.61	7.00	6.22	10.20	52.59	"	"

A—Should be designated as Meat and Bone Scrap.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Richardson Bros., Westminster, Md.	
Richbro Walck Laying Mash	Westminster
Richbro Hog and Pig Meal	Westminster
Daniel Rider, Baltimore, Md.	
Winner 20% Dairy Feed	Baltimore
Winner Horse Feed	Baltimore
Robin Hood Mills, Ltd., Moose Jaw, Canada	
Superior Wheat Red Dog	Baltimore
Robinson Bros., Cardiff, Md.	
Robinson's 32% Dairy Ration	Cardiff
*Robinson's 24% Dairy Ration	Darlington
*Robinson's 20% Dairy Ration	Cardiff
Robinson's Laying Mash	Cardiff
C. E. Routzhan & Co., Breathedsville, Md.	
Dairy Feed	Breathedsville
*Laying Mash	Breathedsville
*Hog Feed	Breathedsville
B. H. Rudo & Bros., Baltimore, Md.	
‡Prattdale Scratch Feed	Baltimore
Russell-Miller Milling Co., Minneapolis, Minn.	
Hard Wheat Occident Standard Middlings	Detour
St. Michaels Milling Co., St. Michaels, Md.	
Quillin's Laying Mash	St. Michaels
Saunders Mills, Inc., Toledo, Ohio	
‡Carotene Leaf, Dehydrated Alfalfa Meal	Baltimore
Alfalfa Meal	Hagerstown
Wm. D. Scarlett & Co., Baltimore, Md.	
Oriole Brand AAA. Pigeon Feed	Baltimore
Oriole Brand AA. Pigeon Feed	Baltimore
Oriole Brand Special H. G. Pigeon Feed without Corn	Baltimore
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	
Esskay Quality Soluble Blood	Baltimore
Esskay Quality Meat and Bone Scrap	Overlea
Esskay Quality Meat and Bone Scrap	Detour
Esskay Quality Meat and Bone Scrap	Baltimore
Esskay Quality Meat and Bone Scrap	Mt. Airy
Esskay Quality Poultry Bone	Baltimore
Schoeneck Farms, Inc., Nazareth, Pa.	
Keystone Brand Dehydrated Alfalfa Meal	Lineboro
*‡Keystone Brand Dehydrated Alfalfa Meal	Berlin
‡Keystone Brand Dehydrated Alfalfa Meal	Newark

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.75	20.00	20.88	5.00	4.79	9.00	6.53	10.80	48.25	As declared on sack.
9.85	15.00	16.67	5.00	5.23	7.00	6.76	6.50	54.99	" "
9.94	20.00	20.45	4.00	4.07	11.00	10.13	8.40	47.01	" "
10.88	9.00	10.29	2.00	3.20	9.00	8.25	4.10	63.28	" "
8.00	16.50	17.90	3.50	4.01	4.00	3.68	2.95	63.46	" "
8.52	32.00	32.04	5.00	5.56	9.50	8.53	7.52	37.83	" "
9.93	24.00	24.19	5.00	4.23	10.00	9.69	7.96	44.00	" "
10.20	20.00	21.33	4.50	3.99	10.00	8.66	7.63	48.19	" "
10.55	20.00	20.22	4.75	4.89	10.00	6.23	11.66	46.45	" "
9.42	16.00	16.67	3.00	4.42	8.00	7.15	5.30	57.04	" "
9.33	16.00	15.36	4.00	3.17	7.00	7.39	11.65	53.10	A.
9.62	17.00	16.23	4.00	3.49	5.00	4.81	7.85	58.00	As declared on sack.
10.40	10.00	10.97	2.50	2.32	4.00	3.06	1.65	71.60	" "
8.51	15.00	19.48	4.00	5.91	9.50	9.69	5.70	50.71	" "
7.24	20.00	21.32	5.00	4.80	7.00	6.60	10.65	49.39	B.
7.19	20.00	20.71	1.50	2.32	18.00	20.62	11.40	37.76	As declared on sack.
8.28	13.00	12.81	1.50	1.52	33.00	32.27	7.30	37.82	" "
10.12	16.00	17.55	3.00	4.90	4.00	6.38	2.45	58.60	" "
10.82	13.00	12.90	3.50	3.47	4.00	3.66	1.85	67.30	B.
10.86	16.00	18.34	3.00	4.33	4.00	5.73	2.25	58.49	B.
6.41	83.00	87.93	.50	.88	5.00	.68	3.50	.60	As declared on sack.
6.54	55.00	55.19	6.00	8.54	5.00	2.25	29.45	.....	" "
5.59	50.00	49.41	6.00	8.95	5.00	2.46	32.70	.89	" "
5.19	50.00	50.46	6.00	8.64	5.00	1.70	33.00	1.01	" "
6.95	50.00	50.02	6.00	9.25	5.00	2.47	35 50	.....	" "
5.68	20.00	22.38	2.00	6.26	5.00	.77	64.85	.06	" "
6.78	17.00	19.16	2.00	2.41	25.00	27.07	10.05	34.53	" "
6.45	17.00	15.89	2.00	2.83	25.00	27.15	8.10	39.58	" "
7.23	13.00	14.04	2.00	3.18	30.00	23.93	9.45	42.17	" "

A—Also detected Ground Oats.
B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Sea Board Supply Co., Philadelphia, Pa.	
S. B. S. Crab Meal	Breathedsville
Charles H. Seward, Raspeburg, Md.	
Golden Glow Laying Mash	Rapseburg
B. F. Sheesley & Son, Harrisburg, Pa.	
*Sheesley's Pure Col-Seed Oil Meal	Gaithersburg
Shellabarger Grain Products Co., Decatur, Ill.	
Shellabarger's Cooked Soybean Oil Meal	Baltimore
‡Shellabarger's Cooked Soybean Oil Meal	Gaithersburg
Sherwin-Williams Co., Cleveland, Ohio	
Sherwin-Williams Co. 34% Pure O. P. Linseed Meal	Hagerstown
M. L. Shoemaker & Co., Inc., Philadelphia, Pa.	
*Shoemaker's "Swift Sure" Pure Ground Fish Meal	Pocomoke City
W. J. Small Hay & Grain Co., Neodesha, Kansas	
*Excello Fine Ground Dehydrated Alfalfa Leaf Meal	Baltimore
H. Ray Smith, Doubs, Md.	
Lo-Cost Laying Mash, with DBM. and Cod Liver Oil	Doubs
Lo-Cost Growing Mash, with DBM. and Cod Liver Oil	Doubs
Southern States Cooperative Mills, Inc., Baltimore, Md.	
32% Supplemental Dairy Feed	Bel Air
Baltimore Special 24% Dairy	Taneytown
Milk Maker	Baltimore
Super Milk Maker	Baltimore
Super Exchange Dairy	Baltimore
Exchange Dairy	Baltimore
20% Dairy	Cardiff
Legume Dairy	Baltimore
18% Dairy Feed	Baltimore
Drought Dairy	Mt. Airy
Drought Dairy	Cardiff
16% Dairy	Westminster
Laying Mash, with Alfalfa Meal	Westminster
Laying Mash, with Alfalfa Meal	Bel Air
Market Laying Mash	Taneytown
Super Laying and Breeding Mash	Westminster
Thrift Laying Mash	Bel Air
Growing Mash, with Milk	Easton
Fitting Ration	Baltimore
Hog Feed	Easton
Hog Feed	Westminster
Calf Meal	Easton
Wheat Flour Middlings, with Ground Screen. N. Ex. M. R.	Baltimore
Turkey Growing Mash	Bel Air

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.04	28.00	28.70	1.00	1.70	8.00	11.03	50.20	2.33	As declared on sack.
8.14	20.00	21.84	5.00	4.96	7.00	6.00	10.65	48.41	" "
7.50	34.00	34.40	10.00	8.95	10.00	8.77	8.30	32.08	" "
9.08	41.00	44.67	4.50	5.85	7.50	5.32	6.10	28.98	" "
7.15	41.00	42.56	4.50	6.04	7.50	7.25	6.50	30.50	" "
6.20	34.00	34.75	4.50	5.15	9.00	9.03	6.10	38.77	A.
8.45	55.00	58.79	8.00	5.50	3.00	2.97	20.20	4.09	As declared on sack.
7.45	20.00	18.22	2.50	3.42	18.00	21.56	10.90	38.45	" "
9.26	16.50	16.23	4.50	4.39	7.00	6.21	7.75	56.16	" "
8.73	16.50	16.85	4.00	4.02	7.00	6.75	10.10	53.55	" "
10.61	32.00	33.35	4.00	4.60	8.50	8.16	8.09	35.19	" "
8.27	24.00	24.97	3.00	3.99	10.00	12.73	7.67	42.37	" "
8.60	24.00	26.16	4.00	4.52	8.50	7.98	7.61	45.13	" "
8.56	24.00	24.06	4.50	4.46	8.00	7.12	6.43	49.37	" "
9.00	20.00	20.06	5.00	5.61	9.00	7.97	6.15	51.21	" "
9.99	20.00	22.12	4.00	4.70	8.50	8.24	7.55	47.40	" "
10.64	20.00	21.63	3.00	3.11	12.00	9.99	7.20	47.43	" "
9.31	18.00	21.59	4.00	4.50	8.50	8.69	7.30	48.61	" "
9.52	18.00	20.07	3.00	3.90	12.00	10.96	8.09	47.46	" "
9.00	18.00	19.15	3.00	3.52	12.00	11.93	7.96	48.44	" "
10.26	18.00	19.31	3.00	3.23	12.00	12.81	7.43	46.96	" "
8.45	16.00	18.10	3.50	3.33	12.00	13.38	7.40	49.34	" "
9.48	20.00	21.15	4.00	5.28	7.00	6.48	11.40	46.21	" "
8.53	20.00	22.82	4.00	4.65	7.00	5.79	12.20	46.01	" "
9.40	20.00	20.88	4.00	4.03	7.00	7.33	11.20	47.16	" "
9.77	19.50	19.83	4.00	5.16	7.00	5.71	10.10	49.43	" "
9.90	19.00	19.92	4.00	5.02	6.00	7.02	9.40	48.74	" "
7.72	17.50	18.60	4.00	4.89	6.50	6.74	8.70	53.35	" "
10.58	13.00	17.19	3.00	4.81	8.00	6.92	6.86	53.64	B.
8.31	14.00	15.97	3.50	4.29	6.00	6.74	7.50	57.19	As declared on sack.
10.17	14.00	15.36	3.50	3.87	6.00	6.61	6.80	57.19	" "
8.15	19.00	21.41	4.00	3.82	4.50	4.85	6.60	55.17	C.
10.05	15.00	17.99	4.00	4.99	6.00	6.72	5.15	55.10	As declared on sack.
9.08	19.00	21.50	4.00	4.10	7.00	5.51	8.95	50.86	" "

A—Acid Insoluble Ash 0.34%.
B—Also detected Corn Gluten Feed.
C—300 lbs. Oat Flour declared—Find an appreciable amount of finely Ground Oat Hulls indicating the presence of Ground or Pulverized Oats.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
A. E. Staley Manufacturing Co., Decatur, Ill.	
Staley's Corn Gluten Feed	Washington Grove
Staley's Corn Gluten Feed	Hagerstown
Star Food & Remedy Co., Inc., Alexandria, Va.	
Star Laying Mash, with Milk	Beltsville
Star Pig Meal	Beltsville
Star Milling Co., Inc., Hampstead, Md.	
Winter Wheat Middlings	Middleburg
Winter Wheat Middlings	Taneytown
State Mill & Elevator C., Grand Forks, N. D.	
‡Dakota Maid Pure Bran	Baltimore
‡Dakota Maid Standard Wheat Middlings and Wheat Screen	Baltimore
E. Steen & Bro. Co., Baltimore, Md.	
Little Boy Blue Dairy Feed	Baltimore
Golden Goose Laying Mash, with BM	Baltimore
Arundel Hog Grower	Baltimore
Sweetened Grain Blowings	Baltimore
D. A. Stickell & Sons, Inc., Hagerstown, Md.	
Su-Pur Sweet 32% Mixing Ration	Rising Sun
Magnolia Sweet 24% Dairy Feed	Rising Sun
Dairy Queen Sweet 20% Milk Maker	Forest Hill
Snap Sweet 20% Dairy Feed	Rising Sun
Blue Ridge Egg Mash	White Hall
Blue Ridge Egg Mash, with Cod Liver Oil	White Hall
‡Zip Growing Mash	Boyds
‡Stickell's Horse and Mule Feed	Rising Sun
‡Su-Pur Coccidiosis Flushing Mash	Forest Hill
Stickell's Poultry Fatner	Forest Hill
‡Two In One Scratch Grains	Rising Sun
‡Su-Pur Turkey Fattening Mash	Forest Hil
Stratton Grain Co., Milwaukee, Wis.	
‡"Hiquality" Brewers Dried Grains	Washington Grove
Chas. M. Struven Co., Baltimore, Md.	
Struven's Fish Meal	Walkersville
Struven's Fish Meal	Princess Anne
Struven's Fish Meal	Mt. Airy
Struven's Fish Meal	Cambridge
Suffolk Oil Mill, Inc., Suffolk, Va.	
Peanut Meal	Frederick
Swift & Co., (Oil Mills), Atlanta, Ga.	
Cottonseed Meal	Elkton
Cottonseed Meal	Gaithersburg
Swift & Co., Chicago, Ill.	
Swift's Fifty-Five Meat Scraps	Princess Anne
Swift's Laymore Meat and Bone Scraps	Federalsburg

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.39	25.00	29.13	1.00	2.37	8.00	8.58	6.60	43.93	As declared on sack.
10.44	25.00	28.96	1.00	2.20	8.00	6.96	7.70	43.74	" "
8.50	20.00	21.32	4.50	5.53	7.00	6.38	10.84	46.43	A.
8.15	16.00	18.43	4.00	3.88	7.00	6.65	6.60	56.29	A.
11.24	15.00	15.24	4.00	4.26	6.00	5.80	4.10	59.36	As declared on sack.
9.43	15.00	15.53	4.00	4.65	6.00	5.83	3.70	60.86	" "
8.86	15.00	17.99	5.00	5.81	12.00	9.78	6.00	51.56	" "
9.60	16.00	18.60	5.00	5.63	8.00	7.02	4.20	54.95	" "
11.43	16.00	15.40	3.50	3.39	13.00	8.26	9.27	52.25	A.
9.04	20.00	20.53	4.00	6.24	9.00	5.72	11.65	46.82	As declared on sack.
9.66	16.50	17.81	4.50	6.31	7.00	7.83	6.90	51.49	" "
10.99	9.00	10.02	2.00	2.21	20.00	9.14	5.09	62.55	" "
9.77	32.00	32.12	4.50	4.49	10.00	8.47	8.19	36.96	" "
10.18	24.00	25.68	3.50	4.42	12.00	8.64	8.31	42.77	" "
9.45	20.00	21.75	3.50	5.00	10.00	8.87	8.00	46.93	" "
9.90	20.00	22.12	3.00	3.39	12.00	11.43	8.55	44.61	" "
8.04	20.00	22.82	5.00	5.84	6.00	6.45	9.80	47.05	" "
8.45	20.00	21.85	5.00	6.59	6.00	6.64	9.65	46.82	" "
8.40	15.00	17.20	4.00	4.73	6.00	6.73	7.80	55.14	" "
10.44	9.00	9.94	2.50	2.50	12.00	7.42	3.97	65.73	" "
8.54	14.00	19.83	3.00	3.75	5.00	5.09	9.50	53.29	" "
9.04	12.00	15.80	4.50	5.46	6.00	5.21	5.10	59.39	B.
10.27	10.00	10.53	2.50	2.21	5.00	2.45	1.63	72.91	As declared on sack.
8.91	15.50	17.72	4.00	6.51	6.00	7.54	9.70	49.62	" "
7.40	24.00	28.35	5.00	6.78	19.00	17.04	4.35	36.08	As declared on sack.
7.20	55.00	56.86	4.00	10.62	2.00	.57	23.80	.95	" "
7.95	55.00	59.94	4.00	9.16	2.00	.89	21.35	.71	" "
6.54	55.00	58.97	4.00	9.23	2.00	.77	20.50	3.99	" "
6.45	55.00	60.46	4.00	9.39	2.00	.87	22.20	.63	" "
7.98	41.00	40.63	6.00	7.96	8.00	8.05	5.60	29.78	" "
5.61	41.00	41.07	5.00	6.18	10.00	10.93	6.15	30.06	" "
6.40	41.00	40.98	5.00	5.34	10.00	12.15	5.85	29.28	" "
5.78	55.00	54.99	6.00	10.67	3.00	2.84	25.65	.07	" "
6.15	45.00	45.46	6.00	9.74	3.00	1.39	35.35	1.91	" "

A—Ingredients on sack differ from license.
B—Also detected Corn Gluten.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Taneytown Grain & Supply Co., Taneytown, Md.	
Taney Laying Mash	Taneytown
Taney Pig and Hog Feed	Taneytown
Thomas & Co., Frederick, Md.	
Excelsior Dairy Feed	Gaithersburg
Economy Dairy Feed	Gaithersburg
"Makan-Egg" Egg Mash	Gaithersburg
Thomas Supply Co., Adamstown, Md.	
Thomas 24% Dairy Feed	Adamstown
Thomas 16% Dairy Feed	Adamstown
Thurmont Milling & Supply Assoc., Cooperative, Inc., Thurmont, Md.	
32% Thurmont Supplement	Thurmont
16% Thurmont Dairy Feed	Thurmont
‡Thurmont Growing Mash	Rocky Ridge
‡Thurmont Turkey Grower	Rocky Ridge
Jacob Trinley & Sons, Linfield, Pa.	
Favorite Laying Mash	Baltimore
Mixing Special	Baltimore
Favorite Scratch Grains	Baltimore
Ubiko Milling Co., Cincinnati, Ohio	
*32% Sweet Union Grains Dairy Ration	Walkersville
*‡Ubiko Life Guard Dairy Supplement	Sudlersville
24% Sweet Union Grains Dairy Ration	Walkersville
‡20% Sunbeam Dairy Ration	Silver Spring
Clover Bloom Sweet 16% Feed	Walkersville
‡Sunbeam Laying Mash	Sudlersville
Ultra-Life Laboratories, Inc., East St., Louis, Ill.	
Ultra-Life	Berlin
Union Supply & Milling Corp., Burbank, Calif.	
‡Sunshine Alfalfa Leaf Meal	Pocomoke City
George Urban Milling Co., Buffalo, N. Y.	
‡Wheat Middlings, with Ground Screen. N. Ex. M. R.	Mardela Springs
‡Corn Feed Meal	Rising Sun
Van Iderstine Co., Long Island City, N. Y.	
Vico High Protein Meat Scraps for Poultry	St. Michaels
Vico Quality Meat and Bone Scraps for Poultry	St. Michaels
Vico Quality Meat and Bone Scraps for Poultry	Westminster
Vico Quality Meat and Bone Scraps for Poultry	Pocomoke City
Vienna Flour & Feed Mill, Vienna, Md.	
Wayne Local Mix Laying Mash	Vienna
Wayne Local Mix Growing Mash	Vienna

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.17	18.00	18.60	4.50	4.95	6.75	6.39	10.25	49.64	As declared on sack.
8.97	18.00	19.67	4.25	4.23	6.75	6.81	5.58	54.74	A.
8.32	24.00	24.22	5.00	5.56	9.00	8.14	7.90	45.86	B.
9.21	20.00	21.41	4.50	4.51	9.00	10.45	9.65	44.77	As declared on sack.
8.92	20.00	21.67	5.00	6.70	9.00	7.14	7.95	47.62	" "
11.78	24.00	23.97	3.50	4.28	12.00	9.73	8.00	42.24	C.
9.57	16.00	18.65	3.00	4.91	12.00	9.92	8.80	48.15	C.
8.01	32.00	34.28	3.00	4.88	7.00	8.03	8.37	36.43	As declared on sack.
8.08	16.00	20.01	3.00	4.41	14.00	12.33	7.22	47.95	" "
8.15	16.00	16.02	4.00	4.88	8.00	4.53	7.80	58.62	" "
8.65	21.00	20.88	4.00	5.59	6.00	5.53	11.05	48.30	" "
8.01	18.00	19.79	4.00	4.69	7.50	8.34	11.04	48.13	" "
11.34	3.00	4.42	1.00	.85	15.00	15.99	6.97	60.43	" "
11.11	9.00	10.53	2.00	2.50	5.00	2.14	1.60	72.12	" "
9.69	32.00	29.96	4.00	4.81	10.00	8.07	10.80	36.67	" "
9.53	26.00	24.71	4.00	4.71	9.00	10.83	9.23	40.99	" "
9.23	24.00	26.87	4.00	6.24	10.00	10.82	8.10	38.74	" "
8.84	20.00	22.72	3.00	3.21	12.00	11.45	10.35	43.33	" "
9.04	16.00	15.95	3.00	3.70	15.00	14.83	9.77	46.71	" "
7.21	20.00	20.71	3.50	4.79	8.00	5.42	11.60	50.27	" "
7.05	19.50	23.96	4.50	6.21	4.50	3.79	6.60	52.39	" "
8.09	20.00	21.24	3.00	2.68	18.00	18.42	11.80	37.77	" "
10.52	15.00	17.55	4.00	4.95	9.50	8.19	4.80	53.99	" "
11.01	8.50	9.21	4.25	4.19	6.50	3.15	1.85	70.59	" "
7.18	55.00	59.06	5.00	9.12	3.00	2.26	24.05	.....	" "
6.00	50.00	49.93	5.00	10.14	3.00	2.08	31.25	.60	" "
6.33	50.00	50.28	5.00	10.75	3.00	1.59	30.60	.45	" "
5.93	50.00	50.11	5.00	9.71	3.00	1.76	32.25	.24	" "
9.64	18.00	19.13	3.50	4.86	7.00	7.23	7.10	52.04	" "
10.01	16.00	17.02	4.00	4.63	6.00	6.99	5.75	55.60	" "

A—Also detected Corn Gluten and Wheat Screenings.
B—Also detected Wheat and/or Wheat Screenings.
C—Also detected Whole Weed Seed.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Virginia-Maryland Dairy Feeders Co., Inc., Baltimore, Md.	
Dried Brewers Grains	Chestertown
Dried Brewers Grains	Westminster
Dried Brewers Grains	Colora
*Dried Brewers Grains	Baltimore
*Dried Brewers Grains	Baltimore
Ward Dry Milk Co., St. Paul, Minn.	
Ward's Pure Dried Buttermilk	Princess Anne
Warner Bros., Lineboro, Md.	
Line Egg Mash	Lineboro
Line Egg Mash	Lineboro
Warner's 20% Laying Mash	Lineboro
C. B. Watkins & Co., Baltimore, Md.	
Foxhall Laying Mash	Baltimore
Foxhall Hog Feed	Baltimore
Peerless Chick Mash, with Cod Liver Oil	Baltimore
Westover Mills, Westover, Md.	
Perfection Laying Mash	Westover
Wheatena Corp. Highspire Flour Mills Division, Highspire, Pa.	
Pure Winter Wheat Bran	Princess Anne
Wheeler Supply Co., Glyndon, Md.	
Wheeler Special Laying Mash	Glyndon
Wilbur-Ellis Co., San Francisco, Calif.	
‡Lighthouse Brand 65% Protein Fish Meal	Princess Anne
Wilkins-Rogers Milling Co., Inc., Washington, D. C.	
Big Five Dairy Feed	Baltimore
Big Five Dairy Feed	Bel Air
Maryland University 1928 Egg Contest Mash Formula	Bel Air
Washington Fattening Mash	Bel Air
Red Raven 85% Horse Feed	Baltimore
Williams Bros., Milford, Del.	
Henlopen Laying Mash	Denton
A. J. Wilson, White Hall, Md.	
Wilson's Open Formula Egg Mash No. 1	White Hall

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.26	28.00	27.99	6.00	6.29	15.00	15.25	5.35	38.86	As declared on sack.
6.67	28.00	29.48	6.00	5.79	15.00	15.14	3.70	39.22	" "
7.32	28.00	28.08	6.00	6.70	15.00	17.24	4.15	36.51	" "
6.90	28.00	28.99	6.00	5.49	15.00	18.39	3.80	36.43	" "
5.78	28.00	25.34	6.00	5.51	15.00	18.04	4.30	41.04	" "
.....	30.00	30.54	5.00	x5.44	.....	.....	8.14	.....	" "
10.47	18.00	18.25	4.00	5.53	8.00	7.64	9.05	49.06	" "
9.05	18.00	18.52	4.00	5.22	8.00	8.62	8.90	49.69	" "
10.85	20.00	19.48	4.50	5.80	6.75	5.59	9.90	48.38	" "
8.86	20.13	21.24	4.85	4.79	8.25	10.13	10.90	44.08	" "
8.99	15.25	18.78	2.98	5.04	7.33	9.74	10.75	46.70	" "
9.44	13.50	14.83	3.75	3.89	8.25	9.87	8.15	53.82	" "
7.81	19.00	21.41	4.00	5.21	7.00	8.45	10.40	46.72	A.
10.54	12.75	14.74	3.00	3.57	10.50	10.10	5.05	56.00	As declared on sack.
8.22	20.00	20.27	4.50	4.42	7.00	8.98	10.05	48.06	B.
6.01	65.00	65.11	4.00	10.00	1.00	.65	14.45	3.78	C.
8.45	20.00	20.01	5.00	5.45	12.00	10.25	6.93	48.91	As declared on sack.
9.01	20.00	20.18	5.00	4.85	12.00	9.86	6.95	49.15	D.
7.77	20.00	21.15	5.00	5.83	7.00	6.79	10.65	47.81	As declared on sack.
8.37	18.00	18.78	5.00	6.37	6.00	5.70	5.75	55.03	" "
10.41	8.00	10.41	3.00	3.32	10.00	8.54	4.29	63.03	" "
8.45	17.00	18.78	4.00	4.58	9.00	7.99	8.10	52.10	" "
6.83	18.00	19.83	4.00	5.23	7.50	7.24	11.40	49.47	" "

x—Fat as determined by the Roes-Goettlieb Method.
A—Also detected Ground Wheat.
B—Ingredients on sack differ from license.
C—Fat guarantee on sack differs from license.
D—Apparently some Peanut Skin Meal used and not all Peanut Meal as declared.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
DOG FEED	
Balorations, Inc., Division of Tioga Mills, Inc., Waverly, N. Y.	
Ti-O-Ga Dog Feed (Meal)	Baltimore
‡Ti-O-Ga Dog Food Pellets	Baltimore
Baltimore Wholesale Grocery Co., Inc., Baltimore, Md.	
‡Mydog Dog Food	Baltimore
Bannock Food Co., Inc., West Chester, Pa.	
Bannock Dog Biscuit	Baltimore
Barry Dog and Cat Food, Greensburg, Pa.	
‡Barry Dog and Cat Food	Baltimore
Battle Creek Dog Food Co., Battle Creek, Mich.	
Miller's Dog Food	Baltimore
Chappel Bros., Inc., Rockford, Ill.	
Ken-L-Biskit	Baltimore
Ken-L-Worth	Baltimore
Maro-Meat Brand Dog Food	Baltimore
Daily Packing Co., Chicago, Ill.	
*Daily Dog Food	Frederick
Derwood Mill, Derwood, Md.	
*Derwood Dog Food	Derwood
Doyle Packing Co., Los Angeles, Calif.	
†‡"Bozo" Dog Food	Baltimore
John W. Eshelman & Sons, Lancaster, Pa.	
*Eshelman Red Rose Dog and Puppy Food	Baltimore
Glendale Canning Co., Glendale, Long Island, N. Y.	
Snappy Dog Food	Baltimore
Golden Grain Mills, Inc., Harrisburg, Pa.	
Golden Grain Dog Feed	Reisterstown
Hales & Hunter Co., Chicago, Ill.	
Lucky Dog Supplement	Annapolis
Hubbard Milling Co., Mankato, Minn.	
Hubbard's Sunshine Dog Food Cubes	Chestertown
Kasco Mills, Inc., Waverly, N. Y.	
Kasco Complete Dog Ration	Hagerstown
Keeno Packing Co., South Gate, Calif.	
†Keeno Dog and Cat Food Kibble Biscuit	Baltimore
†Keeno Dog and Cat Food Kibble Biscuit	

†Deficient in both protein and fat.
*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.17	20.00	24.66	2.50	3.40	3.00	2.47	13.65	48.65	
8.11	20.00	23.43	2.50	4.23	3.00	1.91	11.00	51.32	
75.63	7.00	7.05	1.00	1.80	1.00	.83	1.07	13.62	
7.45	22.00	23.87	3.00	3.24	3.50	2.44	11.10	51.90	
75.38	7.05	8.08	.65	1.41	1.00	1.21	3.08	10.84	
72.48	8.00	9.66	2.00	1.71	1.00	1.07	1.84	13.24	
7.55	20.00	21.50	2.00	2.94	2.00	1.41	4.95	61.65	A.
5.66	20.00	22.64	2.00	2.41	2.00	1.92	7.15	60.22	
71.44	10.00	12.34	2.00	5.16	2.00	1.32	7.08	2.66	
67.18	12.00	11.99	5.00	3.91	1.00	1.50	4.27	11.15	
6.68	25.00	22.91	4.00	4.96	4.00	3.38	12.40	49.67	
79.65	8.00	4.64	3.00	1.12	.75	.60	.82	13.17	
7.41	26.00	26.50	5.50	4.86	2.50	2.72	12.95	45.56	
72.65	7.00	8.17	2.25	1.75	1.00	1.55	1.39	14.49	
6.66	30.00	29.13	5.00	5.06	8.00	4.29	15.70	39.16	B.
7.13	22.00	23.17	4.00	5.26	6.00	3.49	4.60	56.35	
7.71	30.00	31.15	6.00	7.04	3.00	2.77	9.65	41.68	
7.23	22.00	21.41	4.00	3.67	4.00	3.35	9.55	54.79	
8.65	30.00	24.75	6.88	4.71	1.63	2.77	13.35	45.77	
8.14	30.14	24.72	6.88	5.08	1.63	2.77	13.15	46.14	

A—Fat and Fibre guarantee on package differ from license.
B—Ingredients on package differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Kennel Food Supply Co., Fairfield, Conn.	
Cod Liver Oil Vegetable and Meat Biscuits	Baltimore
Cero-Meato	Baltimore
*Terrier Food Biscuit or Kibbled	Baltimore
Maritime Milling Co., Inc., Buffalo, N. Y.	
Hunt Club Dog Food	Baltimore
Maryland Grocery Co., Baltimore, Md.	
*‡Satin Dog and Cat Food	Baltimore
Snooky Dog and Cat Food	Baltimore
John Morrell & Co., Ottumwa, Iowa	
Red Heart Brand Dog Biscuits	Hyattsville
National Coast Products Corp., Swedesboro, N. J.	
Top Hat Dog and Cat Food	Baltimore
Old Trusty Dog Food Co., Needham Heights, Mass.	
All Terrier Food	Baltimore
*Bone Shaped Biscuit	Baltimore
Bovex	Baltimore
Rex Dog Food Products Co., Brooklyn, N. Y.	
†Rex Dog Food	Baltimore
†Rex Dog Food	Baltimore
Louis Sacks & Sons, Baltimore, Md.	
Balto Dog and Cat Food	Baltimore
Saxon Dog and Cat Food	Baltimore
Spratt's Patent (AM) Limited, Newark, N. J.	
*Spratt's Challenge Terrier Meal	Baltimore
Sturdy Dog Food Co., Inc., Syracuse, N. Y.	
Sturdy Kibbled Ration	Baltimore
Thoro Bread Co., Cincinnati, Ohio	
‡Cincy Dog Dood	Frostburg
*"Square Meal"	Frostburg
*"Square Meal"	Frostburg
*[illegible] Dog Food	Frostburg

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.66	21.00	22.64	2.00	3.33	3.00	2.05	4.90	58.42	
8.86	20.00	20.27	2.00	3.73	3.00	1.29	9.08	56.77	
7.59	18.00	17.99	1.90	1.29	2.00	.99	5.90	66.24	
7.81	25.00	26.50	3.50	5.15	4.00	3.08	8.40	49.06	
74.01	6.50	5.54	2.10	1.36	.63	.80	3.90	14.39	
70.27	7.50	8.27	1.25	1.89	1.50	1.46	2.32	15.79	
8.12	25.00	25.45	2.00	2.51	2.00	1.77	9.50	52.65	
74.76	7.00	7.35	2.00	1.91	1.50	1.03	2.05	12.90	A.
8.89	18.82	20.62	1.41	1.07	.54	.92	2.95	65.55	
7.63	22.85	23.34	2.70	.99	.55	1.09	5.45	61.50	
74.81	10.00	9.94	2.00	2.61	1.00	.78	1.28	10.58	B.
74.94	9.55	6.44	2.10	1.42	.63	1.28	3.80	12.12	
76.68	9.55	6.40	2.10	.98	.63	1.46	1.22	13.26	
74.44	8.00	8.69	1.25	1.36	1.50	2.00	1.87	11.64	
66.76	7.25	8.84	1.00	1.62	1.50	1.69	2.72	18.37	
6.80	19.50	18.95	2.00	2.88	1.50	1.03	1.80	68.54	
8.29	16.80	18.16	1.05	.61	1.50	1.45	4.10	67.39	C.
77.51	7.00	7.20	1.25	.87	1.50	1.18	2.11	11.13	
73.66	7.00	8.66	3.00	1.22	1.00	1.32	2.15	12.99	D.
73.17	7.00	8.86	3.00	1.87	1.00	.70	4.47	10.93	
77.18	7.00	7.57	1.25	.73	1.50	1.29	2.07	11.16	

A—Protein and Fibre guarantee on package differ from license.
B—Fibre guarantee on package differs from license.
C—Protein guarantee and ingredients on package differ from license.
D—Ingredients on package differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
MINERAL FEED	
Atlantic Supply Co., Baltimore, Md.	
‡Pro-Tex	Maryland Line .....
Jas. K. Daugherty Co., Baltimore, Md.	
Daco Mineral Mixture	Chestertown.....
Ryde & Co., Chicago, Ill.	
†Ryde's Organic Minerals	Hagerstown.....

‡Not licensed at time of sale.
†Protein Guaranteed 4.00%
†Protein Found 5.97%

CALCIUM OXIDE CaO		PHOSPHORUS P_2O_5		SALT	
Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
36.00	**44.35**	12.00	**13.00**	10.00	**11.32**
20.00	**29.10**	5.00	**6.00**	.....	.....
30.00	**38.70**	6.00	**6.30**	10.00	**10.56**

ASSAY OF VITAMIN D SUPPLEMENTS SOLD IN MARYLAND —Fall 1936—

Table I below contains the results obtained in a recently completed assay of samples of products sold in Maryland as vitamin D supplements. These samples were secured by Inspectors of this Department during August and September, 1936. Each brand tested is registered with this Department as being of definite minimum vitamin D potency. This potency is expressed as the percentage of the product which must be added to the basal rachitic ration in order to provide for normal calcification by the Association of Official Agricultural Chemists' tentative method of assay for anti-rachitic materials. This potency is listed in the table under the heading "Guaranteed Percentage." Eeach product was assayed at the guaranteed percentage, and the results are shown in the column headed "Result of Test." If a product gave a group ash average percentage of 44% or more at the guaranteed percentage it is reported as "Guarantee Sustained." If the ash percentage was less than 44%, the report is "Guaranteed Not Sustained, Ash Percentage....."

The guaranteed percentage is an expression of minimum guaranteed vitamin D content and is not intended to signify the level of the product to be used in practical feeding. For such use, the recommendations of the manufacturer should be obtained.

Manufacturer	Brand Name	Guaranteed Percentage	Result of Test
The Acton Company Philadelphia, Pa.	Acton Norwegian Cod Liver Oil	½%	Guarantee Sustained
Baugh & Sons Company, Philadelphia, Pa.	Norwegian Cod Liver Oil	½%	Guarantee Sustained
F. E. Booth Company, San Francisco, California	Sardilene	½%	Guarantee Sustained
California Packing Corporation, San Francisco, California	Biotol, Biologically Tested Sardine Oil	3/32%	Guarantee Sustained
G. E. Conkey Company, Cleveland, Ohio	Conkeys Y-O	2½%	Guarantee Sustained
Ezl. Dunwoody Company, Philadelphia, Pa.	Super X Cod Liver Oil	½%	Guarantee Sustained
The Fox Company Newfield, New Jersey	Fox Quality Cod Liver Oil	½%	Guarantee Sustained
Gunning and Gunning New York City, New York	Cod Liver Oil	1%	Guarantee Sustained
Health Products Corporation, Newark, New Jersey	Clo-Trate	⅛%	Guarantee Sustained
Chas. L. Huisking & Company, New York City, New York	Vitamin Brand Cod Liver Oil	¼%	Guarantee Sustained
King Brothers and Company, Philadelphia, Pa.	Kings Xtra Cod Liver Oil	½%	Guarantee Sustained
McKesson & Robbins, Inc., Bridgeport, Conn.	Midnight Sun Cod Liver Oil	½%	Guarantee Not Sustained Ash Percentage 35.56
National Oil Products Company, Harrison, New Jersey	Nopco XX	3/32%	Guarantee Sustained
	Nopco Non-Destearinated Cod Liver Oil	⅜%	Guarantee Sustained
Pratt Food Company, Hammond, Indiana	Pratts Cod Liver Oil	½%	Guarantee Sustained
Robert A. Reichard, Inc. Allentown, Pa.	Keystone Brand U.S.P Poultry Cod Liver Oil	½%	Guarantee Sustained
Sea Board Supply Company Philadelphia, Pa.	Cod Liver Oil	½%	Guarantee Sustained
Silmo Chemical Company, Vineland, New Jersey	Silmo XX Cod Liver Oil	⅛%	Guarantee Sustained
	Silmo Poultry D Cod Liver Oil	1%	Guarantee Sustained
Whitmoyer Laboratories, Myerstown, Pa.	Whitmoyer Quality Cod Liver Oil	½%	Guarantee Sustained

In Table II are given the results of the two tests of a sample of Fox Cod Liver Oil which was collected by this Department in January 1936. Our first test of this product conducted during our Spring 1936 assays showed it to be less potent than guaranteed, a pen of chicks fed the oil at ½% giving an ash percentage of 42.37. A portion of this sample was retested at ½% and an ash percentage of 41.66 obtained. The results of the second test clearly substantiate the first assay showing the deficiency of this sample of Fox Cod Liver Oil.

Manufacturer	Brand Name	Guaranteed Percentage	Result of Test
The Fox Company, Newfield, New Jersey	Fox Cod Liver Oil	½%	Guarantee Not Sustained First Test— 42.37% Ash Second Test— 41.66% Ash

An increasing number of products which can be classed under the general term "concentrates" are appearing on the market. Generally speaking, these products are specified to be for mixture in varying proportions with other materials to make particular types of mashes or other feeds.

In Table III below are the results of tests with several products of this nature which are being sold in Maryland. These products are purported to furnish sufficient vitamin D in the total ration when used in the proportion recommended by the manufacturer.

This Department considers such products as vitamin D supplements. The results reported here represent the ash content of the tibia of groups of chicks fed the Association of Official Agricultural Chemists' basal ration supplemented with that percentage of the respective material which the manufacturer recommends for use in practical feed mixing. All the products are shown to have produced normal bone ash of more than 44%.

Manufacturer	Brand Name	Guaranteed Percentage	Result of Test
Blatchford Calf Meal Company, Waukegan, Illinois	Blatchford's V-D	10%	Above 44%
Hubbard Milling Company, Mankato, Minnesota	Hubbards Sunshine Concentrate (With Cod Liver Oil)	20%	Above 44%
Dawe's Products Company, Denver, Colorado	Dawe's Vitamelk	10%	Above 44%
Ultra-Life Laboratories, Inc., East St. Louis, Illinois	Ultra-Life	10%	Above 44%

LIME ANALYSES

A detailed report of the results obtained in the inspection and analyses of agricultural liming materials from July 1, 1936, to January 1, 1937, is contained in pages 89 to 98 inclusive. Limes are considered seriously deficient with respect to chemical analyses when they are one per cent or more deficient in total oxides.

ANALYSES OF AGRICULTURAL BURNT LIME (OXIDES)

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates CaCO3		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	S. W. Barrick & Sons, Inc., Woodsboro, Md.										
3633	Barrick's Agricultural Lump Lime	Woodsboro	90.00	96.15	5.00	1.02	95.00	97.17	.....	1.20	.52
	Frank Carbaugh, Hagerstown, Md.										
3613	Lump Lime	Hagerstown	80.00	84.80	2.00	2.14	82.00	86.94	.....	4.13	6.81
*3612	†Ground Burned Lime	Hagerstown	75.00	68.60	2.00	2.25	77.00	70.85	.....	5.57	14.41
	Cavetown Planing Mill Co., Cavetown, Md.										
3610	Lump Lime	Cavetown	80.00	90.90	2.00	2.02	82.00	92.92	.....	1.29	4.75
3611	†Ground Lime	Cavetown	80.00	74.40	2.00	12.45	82.00	86.85	.....	7.09	3.87
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.										
3616	Famous Frederick Co. Agric. Lime-Lump	Frederick	86.00	79.95	4.00	18.45	90.00	98.40	.....	1.40	.20
3617	†Famous Frederick Co. Ground Lime	Frederick	75.00	75.00	5.00	6.88	80.00	81.88	.....	20.14	3.15
	E. V. Moser, Middletown, Md.										
*3614	Lump Lime	Middletown	85.00	61.05	10.00	27.13	95.00	88.18	.....	24.34	.55
	Stanley Schetrompf, Clear Spring, Md.										
3605	Lump Lime	Clear Spring	80.00	80.10	4.00	4.09	84.00	84.19	.....	14.22	6.66
3606	†Ground Lime	Clear Spring	75.00	79.50	3.00	3.25	78.00	82.75	.....	4.18	9.38
	Shank & Etzler Lime Co., Frederick, Md.										
3621	Agric. Lump Lime	Frederick	60.00	81.80	30.00	13.94	90.00	95.74	.....	.45	.13
	J. S. Smucker, Ronks, Pa.										
3590	†Ground Burnt Lime	Providence	53.70	53.70	7.07	7.07	60.77	60.77	.....	3.45	15.41

	Standard Lime & Stone Co., Baltimore, Md.											
3624	†Agric. Ground Lime	Rockville	90.00	**93.20**	2.00	**1.66**	92.00	**94.86**	2.50	**3.09**		.84
3596	†Agric. Ground Lime	Barnesville	90.00	**89.90**	2.00	**1.33**	92.00	**91.23**	2.50	**11.23**		**1.52**
	Stoner & Powell, Woodsboro, Md.											
3629	Old Reliable Fountain Rock Lump Lime	Fountain Rock	85.00	**63.65**	2.00	**30.85**	87.00	**94.50**	.....	.48		.89
3630	Old Reliable Fountain Rock Pulverized Lime	Fountain Rock	75.00	**70.65**	8.00	**11.32**	83.00	**81.97**	.....	**5.72**		**5.60**
	Wertz & Swain, Hagerstown, Md.											
3609	†Agric. Ground Lime	Downesville	60.00	**63.80**	5.00	**6.88**	65.00	**70.68**	.....	**1.25**		**18.16**

†Mechanical analysis of Ground Burnt Lime, see page 95.
‡Magnesium oxide guarantee on bag differs from license.

*Product deficient in total oxides.

ANAYLSES OF AGRICULTURAL HYDRATED LIME

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	S. W. Barrick & Sons, Inc., Woodsboro, Md.										
*3654	†Barrick's Agric. Hydrated Lime	Woodbsoro	65.00	60.20	5.00	2.62	70.00	62.82	3.00	.....	13.71
*3640	†Barrick's Agric. Hydrated Lime	Princess Anne	65.00	61.65	5.00	2.71	70.00	64.36	3.00	.....	14.21
*3632	†Barrick's Agric. Hydrated Lime	Woodsboro	65.00	62.85	5.00	2.64	70.00	65.49	3.00	.....	4.13
*3660	†Barrick's Agric. Hydrated Lime	Woodsboro	65.00	66.20	5.00	1.46	70.00	67.66	3.00	.....	5.05
*3661	†Barrick's Agric. Hydrated Lime	Woodsboro	65.00	65.90	5.00	1.40	70.00	67.30	3.00	.....	5.49
	Chester Valley Lime Co., Paoli, Pa.										
3651	†Hydrated Lime	Salisbury	46.50	46.80	31.00	30.39	77.50	77.19	.....	.....	1.98
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.										
*3618	†Groves Special Hydrate Lime	Frederick	63.00	60.00	2.00	2.66	65.00	62.66	.....	.....	13.62
3619	†Famous Frederick Co. Hydrated Lime	Frederick	65.00	68.80	5.00	3.16	70.00	71.96	.....	.....	1.11
3601	†Famous Frederick Co. Hydrated Lime	Silver Spring	65.00	66.50	5.00	3.19	70.00	69.69	.....	.....	2.30
	Keller Lime Co., Buckeystown, Md.										
3608	†Kellers Agric. Hydrate	Buckeystown	66.00	69.20	1.50	3.86	67.50	73.06	.....	.....	1.65
	LeGore Lime Co., Legore, Md.										
3635	†LeGore's Hydrated Lime	Medford	65.00	65.70	5.00	5.38	70.00	71.08	3.00	.....	2.46
3634	†LeGore's Hydrated Lime	Linwood	65.00	66.30	5.00	6.34	70.00	72.64	3.00	.....	1.97
3639	†LeGore's Hydrated Lime	Westover	65.00	63.80	5.00	5.60	70.00	69.40	3.00	.....	4.30
	H. E. Millard. Annville, Pa.										
3652	†Sweet-Arrow Hydrated Lime	Princess Anne	70.00	71.10	1.00	2.17	71.00	73.27	1.50	.....	.81
	North American Cement Corp., Baltimore. Md.										
3642	†**Berkeley Agric. Hydrate	Glyndon	70.00	71.80	2.00	1.83	72.00	73.63	.....	.....	.31
3636	†**Berkeley Agric. Hydrate	Westminster	70.00	72.10	2.00	1.85	72.00	73.95	.....	.....	.21

3642	†**Berkeley Agric. Hydrate	Glyndon	70.00	72.10	2.00	1.85	72.00	73.95			.21
3636	†**Berkeley Agric. Hydrate	Westminster	70.00	72.10	2.00	1.85	72.00	73.95			.21
	Powhatan Lime Co., Strasburg Junction, Va.										
3647	†Powhatan Hydrated Agric. Lime	Cumberland	71.00	72.50	1.50	1.21	72.50	73.71			.40
	Shank & Etzler Lime Co., Frederick, Md.										
3655	†Agric. Hydrated Lime	Frederick	45.00	45.80	20.00	27.82	65.00	73.62	1.00		9.95
3622	†Agric. Hydrated Lime	Frederick	45.00	46.50	20.00	27.63	65.00	74.13	1.00		6.39
	Standard Lime & Stone Co., Baltimore, Md.										
3648	†Standard Agric. Hydrated Lime	Laurel	71.00	72.50	1.00	1.36	72.00	73.86	2.50		.94
3649	†Washington Agric. Hydrated Lime	Baltimore	46.50	46.75	31.00	32.95	77.50	79.70	2.50		.56
3597	†Special Farmers Favorite Land Hydrated Lime	Dickerson	64.00	72.20	1.00	1.43	65.00	73.63	5.00	6.36	.84
	Steacy & Wilton Co., Wrightsville, Pa.										
3628	†"Sterling" Brand Hydrated Lime	Taneytown	69.00	71.20	3.00	3.66	72.00	74.86	1.00		.52
	Stoner & Powell, Woodsboro, Md.										
3631	†**Old Reliable Fountain Rock Hydrated Lime	Fountain Rock	60.00	58.70	2.00	8.17	62.00	66.87			5.26

*Product deficient in total oxides. †Mechanical analysis of Hydrated Lime, see page 95.
**Magnesium oxide guarantee on bag differs from license.

ANALYSES OF AGRICULTURAL LIMESTONE, MARL AND OYSTER SHELLS

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	Herbert Bryant, Inc., Alexandria, Va.								
3641	†Pulverized Oyster Shell	Wash. Grove.	45.00	44.90	.50	.77	45.50	45.67	15.77
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.								
3620	†Pulverized Limestone	Frederick	53.00	53.90	1.00	1.18	54.00	55.08	1.41
	Potomac Poultry Food Co., Inc., Baltimore, Md.								
3650	†Potolime	Crisfield	46.00	48.20	.50	.90	46.50	49.10	8.46
	Standard Lime & Stone Co., Baltimore, Md.								
3615	†Standard Pulverized Limestone	Frederick	53.20	54.80	.50	1.07	53.70	55.87	.63
	Thomasville Stone & Lime Co., Thomasville, Pa.								
3638	†Pulverized Limestone	Westminster	53.20	54.10	1.90	1.32	55.10	55.42	.60
3592	†Pulverized Limestone	Fallston	53.20	54.30	1.90	1.29	55.10	55.59	.42
	Universal Gypsum & Lime Co., Div. of National Gypsum Co., Buffalo, N. Y.								
3637	†Challenge Pulverized Limestone	Westminster	51.00	53.00	3.00	2.94	54.00	55.94	.72
	West Virginia Lime Co., Roanoke, Va.								
3643	†West Virginia Precipitated	Reisterstown	50.00	51.10	.50	.95	50.50	52.05	4.46

*Product deficient in total oxide.

†Mechanical analysis of Pulverized Limestone, see page 95.

MISCELLANEOUS LIMING PRODUCTS

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Calcium Oxide CaO_3		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	Keller Lime Co., Inc., Buckeystown, Md.										
3607	†Refuse or Tailings	Buckeystown	60.00	59.80	2.00	5.89	62.00	65.69	.....	10.79	19.25

MECHANICAL ANALYSES OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME

No.	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
	S. W. Barrick & Sons. Inc.. Woodsboro, Md.							
3654	Barrick's Agric. Hydrated Lime	Woodsboro	100.	96.	92.	88.	89.	84.
3640	Barrick's Agric. Hydrated Lime	Princess Anne	100.	96.	92.	89.	89.	86.
3632	Barrick's Agric. Hydrated Lime	Woodsboro	100.	99.	92.	94.	89.	91.
3660	Barrick's Agric. Hydrated Lime	Woodsboro	100.	99.	92.	94.	89.	87.
3661	Barrick's Agric. Hydrated Lime	Woodsboro	100.	98.	92.	90.	89.	84.
	Herbert Bryant Inc., Alexandria, Va.							
3641	Pulverized Oyster Shell	Washington Grove	90.	80.	68.	35.	34.	21.
	Frank Carbaugh, Hagerstown, Md.							
3612	Ground Burned Lime	Hagerstown	.....	60.	.....	43.	.....	39.

†Mechanical analysis, see page 95.

MECHANICAL ANALYSES OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME—(Continued)

No.	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
	Cavetown Planing Mill Co., Cavetown, Md.							
3611	Ground Lime	Cavetown		**73.**		**55.**		**47.**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.							
3617	Famous Frederick Co. Ground Lime	Frederick	50.	**63.**	35.	**44.**	25.	**38.**
3618	Groves Special Hydrate Lime	Frederick	100.	**96.**	99.	**84.**	90.	**79.**
3619	Famous Frederick Co. Hydrated Lime	Frederick	100.	**100.**	99.	**99.**	90.	**98.**
3601	Famous Frederick Co. Hydrated Lime	Silver Spring	100.	**100.**	99.	**95.**	90.	**90.**
3620	Pulverized Limestone	Frederick	100.	**100.**	98.	**96.**	94.	**86.**
	Keller Lime Co., Buckeystown, Md.							
3608	Kellers Agric. Hydrate	Buckeystown		**100.**		**100.**		**99.**
3607	Refuse or Tailings	Buckeystown		**47.**		**19.**		**12.**
	Legore Lime Co., Legore, Md.							
3635	LeGore's Hydrated Lime	Medford	100.	**100.**	98.	**98.**	97.	**96.**
3634	LeGore's Hydrated Lime	Linwood	100.	**100.**	98.	**98.**	97.	**96.**
3639	LeGore's Hydrated Lime	Westover	100.	**100.**	98.	**97.**	97.	**96.**
	H. E. Millard, Annville, Pa.							
3652	Sweet-Arrow Hydrated Lime	Princess Anne	100.	**100.**	99.25	**100.**	99.	**99.**
	North American Cement Corp., Baltimore, Md.							
3642	Berkeley Agric. Hydrate	Glyndon	100.	**100.**	99.35	**100.**	98.90	**99.**
3636	Berkeley Agric. Hydrate	Westminster	100.	**100.**	99.35	**100.**	98.90	**99.**
	Potomac Poultry Food Co., Inc., Baltimore, Md.							
3650	Potolime	Crisfield	96.	**85.**	58.	**49.**	46.	**38.**

3650	**Potomac Poultry Food Co., Inc., Baltimore, Md.** Potolime	Crisfield	96.	85.	58.	49.	46.	38.

3647	**Powhatan Lime Co., Strasburg Junction, Va.** Powhatan Hydrated Agric. Lime	Cumberland	100.	100.	100.	99.	96.	98.
3606	**Stanley Schetrompf, Clear Spring, Md.** Ground Lime	Clear Spring	.....	63.	.....	48.	.....	43.
3655	**Shank & Etzler Lime Co., Frederick, Md.** Agric. Hydrated Lime	Frederick	80.	95.	60.	82.	55.	74.
3622	Agric. Hydrated Lime	Frederick	80.	96.	60.	82.	55.	74.
3590	**J. S. Smucker, Ronks, Pa.** Ground Burnt Lime	Providence	97.	97.	91.	91.	85.	85.
3624	**Standard Lime & Stone Co., Baltimore, Md.** Agric. Ground Lime	Rockville	100.	100.	99.90	98.	99.75	96.
3596	Agric. Ground Lime	Barnesville	100.	100.	99.90	100.	99.75	100.
3648	Standard Agric. Hydrated Lime	Laurel	100.	100.	99.50	100.	95.	99.
3649	Washington Agric. Hydrated Lime	Baltimore	99.90	100.	98.	98.	95.	93.
3597	Special Farmers Favorite Land Hydrated Lime	Dickerson	100.	100.	90.	100.	85.	96.
3615	Standard Pulverized Limestone	Frederick	100.	100.	99.90	100.	99.75	100.
3628	**Steacy & Wilton Co., Wrightsville, Pa.** "Sterling" Brand Hydrated Lime	Taneytown	100.	100.	99.25	99.	99.	97.
3631	**Stoner & Powell, Woodsboro, Md.** Old Reliable Fountain Rock Hydrated Lime	Fountain Rock	85.	95.	75.	86.	65.	81.
3630	Old Reliable Fountain Rock Pulverized Lime	Fountain Rock	85.	83.	75.	63.	65.	56.
3638	**Thomasville Stone & Lime Co., Thomasville, Pa.** Pulverized Limestone	Westminster	100.	100.	71.30	99.	67.20	98.
3592	Pulverized Limestone	Fallston	100.	100.	71.30	99.50	67.20	99.
3637	**Universal Gypsum & Lime Co., Div. of National Gypsum Co., Buffalo, N. Y.** Challenge Pulverized Limestone	Westminster	100.	100.	100.	100.	99.	98.
3609	**Wertz & Swain, Hagerstown, Md.** Agric. Ground Lime	Downesville	86.	86.	73.	57.	67.	48.
3643	**West Virginia Lime Co., Roanoke, Va.** West Virginia Precipitated	Reisterstown	90.	95.	70.	79.	60.	71.

FERTILIZER REGISTRATIONS

The following pages contain a detailed list of the different brands of fertilizers registered for 1937 sales, and the declared composition of each.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
The American Agricultural Chemical Co., Baltimore, Md.										
Slingluff's 10% Top Dresser-Sulphate 10-5-2	9.00	1.00	5.00						2.00	
AA. Tobacco Plant Bed Fertilizer-Sulphate 8–5–2	7.20	.80	5.00						2.00	
AA. Tobacco Bed Fertilizer-Sulphate 6–6–8	5.40	.60	6.00						8.00	
AA. Trucker's Favorite 6–6–5	4.50	1.50	6.00				5.00			
Detrick's Gold Basis Fertilizer 6–6–5	3.60	2.40	6.00				5.00			
AA. Prince George Tobacco Fertilizer-Sulphate 4–8–12	3.00	1.00	8.00						12.00	
AA. Red Leaf Tobacco Fertilizer-Sulphate 4–8–10	3.00	1.00	8.00						10.00	
AA. Golden Leaf Tobacco Fertilizer-Sulphate 4–8–7	3.00	1.00	8.00						7.00	
AA. Gladiator Fertilizer 4–8–7	3.00	1.00	8.00				7.00			
AA. Early Trucker Fertilizer 4–8–5	3.00	1.00	8.00				5.00			
AA. Calvert Tobacco Fertilizer-Sulphate 3–8–15	2.25	.75	8.00						15.00	
AA. Climax Fertilizer 3–12–6	2.25	.75	12.00				6.00			
AA. Sweepstakes Fertilizer 3–8–10	2.25	.75	8.00				10.00			
AA. Horse Shoe Fertilizer 2–12–6	1.50	.50	12.0				6.00			
AA. Farmers Friend Fertilizer 2–12–4	1.50	.50	12.00				4.00			
AA. Kangaroo Komplete Kompound 2–10–4	1.50	.50	10.00				4.00			
Listers Harvest Queen 2–9–5	1.50	.50	9.00				5.00			
AA. Red Dog Fertilizer 2–9–5	1.50	.50	9.00				5.00			
AA. Silk Leaf Togacco Fertilizer-Sulphate 2–8–10	1.50	.50	8.00						10.00	
AA. Old Hickory Fertilizer 2–8–10	1.50	.50	8.00				10.00			
AA. Acme Fertilizer 1–10–5	.75	.25	10.00				5.00			
Sulphate of Ammonia 20.50–0–0	20.50	0.00								
Pure Raw Bone 3.70–T.P.A. 20–0	0.00	3.70				20.00				
Fine Ground Bone 2.47–T.P.A. 23–0	0.00	2.47				23.00				
Pulverized Sheep & Goat Manure 1.25–T.P A. 1–2	0.00	1.25								
AA. XXX Mixture 0–10–10			10.00				10.00			
AA. Victory Mixture 0–12–5			12.00				5.00			
AA. Superphosphate 0–20–0			16.00			4.00*				
AA. Superphosphate 0–16–0			16.00							
AA. Basic Lime Phosphate 0–16–0			16.00							
Muriate of Potash 0–0–50							50.00			
Sulphate of Potash 0–0–48									48.00	
Kainit 0–0–20								20.00		

American Cyanamid Co., New York, N. Y.

Sulphate of Potash 0–0–48							50.00			
Kainit 0–0–20								20.00	48.00	

American Cyanamid Co., New York, N. Y.										
21% "Aero" Cyanam'd Granular 21–0–0	0.00	21.00								
Ammo-Phos 16–20–0	16.00	0.00				20.00*	*			
Ammo-Phos 11–48–0	11.00	0.00				48.00*	*			
Armour Fertilizer Works, Baltimore, Md.										
Armour's Special Turf Fertilizer 10–8–6	10.00	0.00	8.00				3.00		3.00	
Armour's Special Top Dresser 10–6–4	9.00	1.00	6.00				4.00			
Armour's Special Top Dresser 10–5–2	9.00	1.00	5.00						2.00	
Armour's Special Top Dresser 8–5–2	7.20	.80	5.00						2.00	
Armour's Big Crop Fertilizer 6–6–5	3.60	2.40	6.00				5.00			
Armour's Big Crop Fertilizer 5–10–5	3.75	1.25	10.00				5.00			
Armour's Big Crop Fertilizer 5–8–12	3.75	1.25	8.00				12.00			
Armour's Vert 5–8–6	5.00	0.00	8.00				3.00		3.00	
Armour's Big Crop Fertilizer 4–16–4	3.60	.40	16.00				4.00			
Armour's Big Crop Fertilizer 4–12–10	3.20	.80	12.00				10.00			
Armour's Big Crop Fertilizer 4–12–4	3.00	1.00	12.00				4.00			
Armour's Special Tobacco Grower 4–8–12	2.80	1.20	8.00						12.00	
Armour's Special Tobacco Grower 4–8–10	2.80	1.20	8.00						10.00	
Armour's Big Crop Fertilizer 4–8–10	2.80	1.20	8.00				10.00			
Armour's Special Tobacco Grower 4–8–7	2.80	1.20	8.00						7.00	
Armour's Big Crop Fertilizer 4–8–7	2.80	1.20	8.00				7.00			
Armour's Big Crop Fertilizer 4–8–5	2.80	1.20	8.00				5.00			
Armour's Super Fish Mixture 3–12–6	1.80	1.20	12.00				6.00			
Armour's Big Crop Fertilizer 3–12–6	2.10	.90	12.00				6.00			
Armour's Big Crop Fertilizer 3–8–10	2.10	.90	8.00				10.00			
Armour's Big Crop Fertilizer 2–12–8	1.40	.60	12.00				8.00			
Armour's Big Crop Fertilizer 2–12–6	1.40	.60	12.00				6.00			
Armour's Big Crop Fertilizer 2–12–4	1.40	.60	12.00				4.00			
Armour's Big Crop Fertilizer 2–9–5	1.40	.60	9.00				5.00			
Armour's Special Tobacco Grower 2–8–10	1.40	.60	8.00						10.00	
Armour's Big Crop Fertilizer 2–8–10	1.40	.60	8.00				10.00			
Armour's Royal Fish Mixture 1–10–5	.50	.50	10.00				5.00			
Armour's Sulphate of Ammonia 20.50–0–0	20.50	0.00								
Armour's Ground Tankage 6–0–0	0.00	6.00								
Armour's Raw Bone Meal 3.70–T.P.A. 20.50–0	0.00	3.70				20.50†				
Armour's Bone Meal 2.47–T.P.A. 23–0	0.00	2.47				23.00†				
Armour's Sheep and Goat Manure 1.25–T.P.A. 1–2	0.00	1.25								

*Triple Superphosphate.
**Orthophosphoric Acid.
†Total Phosphoric Acid.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Armour Fertilizer Works, Baltimore, Md. (Continued)										
Armour's Big Crop Fertilizer 0–10–10			10.00				10.00			
Armour's Big Crop Fertilizer 0–12–5			12.00				5.00			
Armour's Big Crop Superphosphate 0–20–0			20.00							
Armour's Big Crop Superphosphate 0–16–0			16.00							
Armour's Big Crop Lime Phosphate 0–16–0			16.00							
Armour's Muriate of Potash 0–0–48							48.00			
Armour's Kainit 0–0–20								20.00		
Baltimore Fertilizer Co., Baltimore, Md.										
Honest Tobacco Bed Guano 8–5–2	7.25	.75	5.00						2.00	
The Barrett Company, New York, N. Y.										
Sulphate of Ammonia 20.56–0–0	20.56	0.00								
Arcadian Sulphate of Ammonia 20.56–0–0	20.56	0.00								
Arcadian The American Nitrate of Soda 16.–0–0	16.00	0.00								
The Baugh & Sons Co., Baltimore, Md.										
Baugh's Plant Bed Fertilizer 10–5–2	9.00	1.00	5.00						2.00	
Baugh's Plant Bed Fertilizer 8–5–2	6.80	1.20	5.00						2.00	
Baugh's Activated Raw Bone Meal, with Potash 6–9–5	3.00	3.00				9.00	5.00			
Baugh's Plant Bed Fertilizer 6–6–8	5.10	.90	6.00						8.00	
Baugh's Original Potato Guano 6–6–5	3.60	2.40	6.00				5.00			
Baugh's Truckers Favorite 5–10–5	4.00	1.00	10.00				5.00			
Baugh's Balanced Plant Food 4–12–4	3.10	.90	12.00				4.00			
Baugh's Half Century Perfection 4–8–7	3.10	.90	8.00				7.00			
Baugh's Peruvian Guano Substitute 4–8–5	3.10	.90	8.00				5.00			
Baugh's Three Quarter Century Perfection Brand 3–12–6	2.10	.90	12.00				6.00			
Baugh's High Grade Fish Brand 3–12–6	1.80	1.20	11.60		.40		6.00			

Baugh's Three Quarter Century Perfection Brand 3–12–6	2.10	.90	12.00				6.00				
Baugh's High Grade Fish Brand 3–12–6	1.80	1.20	11.60		.40		6.00				
Baugh's Animal Base and Potash Compound 3–8–10	2.10	.90	8.00				10.00				
Baugh's Double Eagle Phosphate 2–12–4	1.25	.75	12.00				4.00				
Baugh's Special Potato Manure 2–9–5	1.40	.60	9.00				5.00				
Baugh's Complete Animal Base Fertilizer 2–9–5	1.40	.60	9.00				5.00				
Baugh's Half & Half Mixture, with Potash 2–9–5	0.00	2.00	4.00			5.00	5.00				
Baugh's Commercial Crop Compound 2–8–10	1.40	.60	8.00				10.00				
Baugh's Excelsior Mixture 1–10–5	.60	.40	10.00				5.00				
Sulphate of Ammonia 20.57–0–0	20.57	0.00									
Baugh's High Grade Animal Tankage 6–T.P.A. 8–0	0.00	6.00		8.00†							
Baugh's Raw Bone Meal, Warranted Pure 3.70–P.T.A. 20.50–0	0.00	3.70				20.50†					
Baugh's Pure Steamed Bone Meal 2.47–T.P.A. 23–0	0.00	2.47				23.00†					
Baugh's Phosphate & Potash Mixture 0–10–10			10.00				10.00				
Baugh's Phosphate & Potash Mixture 0–12–5			12.00				5.00				
Baughphos, The Ideal Superphosphate 0–20–0			20.00								
Baughphos, The Ideal Superphosphate 0–16–0			16.00								
Baugh's Lime & Phosphate 0–16–0			16.00								
Muriate of Potash 0–0–50							50.00				
High Grade Kainit 0–0–20								20.00			
F. W. Bolgiano & Co., Inc., Washington, D. C											
Gold Tag 8–5–2	7.20	.80	5.00						2.00		
Gold Tag 6–6–5	3.60	2.40	6.00				5.00				
Gold Tag 4–8–12	3.00	1.00	8.00						12.00		
Gold Tag 4–12–4	3.00	1.00	12.00				4.00				
Gold Tag 4–8–5	3.00	1.00	8.00				5.00				
Gold Tag 2–12–4	1.50	.50	12.00				4.00				
Gold Tag 2–9–5	1.50	.50	9.00				5.00				
Gold Tag 2–8–10	1.50	.50	8.00				10.00				
Gold Tag Raw Bone Meal 3.70–T.P.A. 20.50–0	.00	3.70				20.50†					
Gold Tag Steamed Bone Meal 2.47–T.P.A. 23–0	1.00	2.47				23.00†					
Gold Tag 0–12–5			12.00				5.00				
Acid Phosphate 0–16–0			16.00								
Chilean Nitrate Sales Corp. New York, N. Y.											
Champion Brand Chilean Nitrate of Soda 16–0–0	16.00	0.00									
Old Style Chilean Nitrate of Soda 15.50–0–0	15.50	0.00									
Chilean Nitrate of Soda Containing Potash 14–0–14	14.00	0.00								14.00*	
The Davison Chemical Corp., Baltimore, Md.											
Pomo Food 10–6–4	8.00	2.00	6.00				2.00		.50	1.50**	

*Nitrate of Potash. **Nitrate of Soda Potash. †Total Phosphoric Acid.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
The Davison Chemical Corp., Baltimore, Md. (Continued)										
Ober's Tobacco Fertilizer 10–5–2	8.50	1.50	5.00	.....	.....	.....	.....	.....	2.00	.....
Ober's Tobacco Fertilizer 8–5–2	6.80	1.20	5.00	.....	.....	.....	.....	.....	2.00	.....
Ober's Tobacco Fertilizer 6–6–8	5.10	.90	6.00	.....	.....	.....	.....	.....	8.00	.....
Miller Fertilizer 6–6–5	3.60	2.40	6.00	.....	.....	.....	5.00	.....	.....	.....
Davco Fertilizer 6–6–5	3.60	2.40	6.00	.....	.....	.....	5.00	.....	.....	.....
Miller Fertilizer 5–8–12	4.00	1.00	8.00	.....	.....	.....	12.00	.....	.....	.....
Davco Tomato Food 4–12–6	3.00	1.00	12.00	.....	.....	.....	.....	4.50*	.....	1.50**
Davco Homogeneous Granulated Fertilizer 4–12–4	4.00	0.00	12.00	.....	.....	.....	4.00	.....	.....	.....
Ober's Tobacco Fertilizer 4–8–12	2.80	1.20	8.00	.....	.....	.....	.....	.....	12.00	.....
Ober's Tobacco Fertilizer 4–8–10	2.80	1.20	8.00	.....	.....	.....	.....	.....	10.00	.....
Davco Fertilizer 4–8–10	3.20	.80	8.00	.....	.....	.....	10.00	.....	.....	.....
Ober's Tobacco Fertilizer 4–8–7	2.80	1.20	8.00	.....	.....	.....	.....	.....	7.00	.....
Ober's Fertilizer 4–8–7	3.20	.80	8.00	.....	.....	.....	3.25	.....	.....	3.75
Groall Potato Special 4–8–7	3.20	.80	8.00	.....	.....	.....	3.25	.....	.....	3.75
Miller Fertilizer 4–8–7	3.20	.80	8.00	.....	.....	.....	3.25	.....	.....	3.75
Davco Homogeneous Granulated Fertilizer 4–8–7	4.00	0.00	8.00	.....	.....	.....	7.00	.....	.....	.....
Ober's Tobacco Fertilizer 4–8–5	2.80	1.20	8.00	.....	.....	.....	.....	.....	5.00	.....
Davco Fertilizer 4–8–5	3.20	.80	8.00	.....	.....	.....	5.00	.....	.....	.....
Groall Golden Sheaf 3–12–6	2.40	.60	12.00	.....	.....	.....	6.00	.....	.....	.....
Miller Fertilizer 3–12–6	2.40	.60	12.00	.....	.....	.....	6.00	.....	.....	.....
Miller Fertilizer 3–8–10	2.40	.60	8.00	.....	.....	.....	10.00	.....	.....	.....
Davco Fertilizer 3–8–10	2.40	.60	8.00	.....	.....	.....	10.00	.....	.....	.....
Davco Fertilizer 2–12–6	1.60	.40	12.00	.....	.....	.....	6.00	.....	.....	.....
Davco Super Fish Brand 2–12–6	.80	1.20	12.00	.....	.....	.....	6.00	.....	.....	.....
Miller Fertilizer 2–12–4	1.60	.40	12.00	.....	.....	.....	1.00	.....	.....	3.00
Ober's Fertilizer 2–12–4	1.60	.40	12.00	.....	.....	.....	1.00	.....	.....	3.00
Groall Grain Food 2–12–4	1.60	.40	12.00	.....	.....	.....	1.00	.....	.....	3.00
Davco Homogeneous Granulated Fertilizer 2–12–4	2.00	0.00	12.00	.....	.....	.....	4.00	.....	.....	.....

Ober's Fertilizer 2–9–5

Groall Grain Food 2–12–4	1.60	.40	12.00				1.00			3.00
Davco Homogeneous Granulated Fertilizer 2–12–4	2.00	0.00	12.00				4.00			
Ober's Fertilizer 2–9–5	1.60	.40	9.00				1.00			4.00
Groall Excelsior 2–9–5	1.60	.40	9.00				1.00			4.00
Miller Fertilizer 2–9–5	1.60	.40	9.00				1.00			4.00
Davco Homogeneous Granulated Fertilizer 2–9–5	2.00	0.00	9.00				5.00			
Davco Homogeneous Granulated Fertilizer 2–8–10	2.00	0.00	8.00				10.00			
Ober's Tobacco Fertilizer 2–8–10	1.40	.60	8.00						10.00	
Ober's Fertilizer 2–8–10	1.60	.40	8.00				7.50			2.50
Groall Imperial 2–8–10	1.60	.40	8.00				7.50			2.50
Miller Fertilizer 2–8–10	1.60	.40	8.00				7.50			2.50
Davco Fertilizer 1–10–5	.80	.20	10.00				1.00			4.00
Davison Sulphate of Ammonia Material 20.56–0–0	20.56	0.00								
Davison Pure Raw Bone Material 3.70–T.P.A.20–0	0.00	3.70				20.00				
Davison Fine Bone Meal Material 2.47–T.P.A. 23–0	0.00	2.47				23.00				
Davison Sheep & or Goat Manure 1.25–T.P.A. 1–2	0.00	1.25								
Davco Fertilizer 0–10–10			10.00				10.00			
Miller Fertilizer 0–12–5			12.00				5.00			
Groall Potash Special 0–12–5			12.00				5.00			
Davco Granulated Superphosphate 0–20–0			20.00							
Davco Superphosphate 0–16–0			16.00							
Miller Superphosphate 0–16–0			16.00							
Groall Dissolved Phosphate 0–16–0			16.00							
Davison Muriate of Potash Material 0–0–50							50.00			
Davison Sulphate of Potash Material 0–0–48									48.00	
Davison High Grade Kainit Material 0–0–20								20.00		
Eastern States Farmers' Exchange West Springfield, Mass.										
Eastern States 12–16–12	12.00	0.00	6.70			9.30‡	1.70			10.30*
Eastern States 12–4–4	12.00	0.00	4.00				4.00			
Eastern States 8–16–16	8.00	0.00	16.00				13.40			2.60**
Eastern States 8–24–8	8.00	0.00	11.50			12.50‡	8.00			
Eastern States 6–8–6	6.00	0.00	8.00				6.00			
Eastern States 4–24–12	4.00	0.00	24.00				12.00			
Eastern States 4–16–20	4.00	0.00	16.00				20.00			
Eastern States 4–12–4	4.00	0.00	12.00				4.00			
Eastern States 4–8–8	4.00	0.00	8.00				8.00			
Eastern States 2–12–6	2.00	0.00	12.00				6.00			
Eastern States 2–8–10	2.00	0.00	8.00				10.00			
Eastern States Calnitro 20.50–0–0	20.50	0.00								
Eastern States 0–20–20			20.00				20.00			
Eastern States 0–28–12			28.00				12.00			

*Nitrate of Potash. **Nitrate of Soda Potash. ‡Ammonium Phosphate. †Total Phosphoric Acid.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Eastern States Farmers' Exchange, West Springfield, Mass. (Continued)										
Eastern States Double Superphosphate 0–40–0			40.00							
Eastern States Superphosphate 0–20–0			20.00							
Eastern States Muriate of Potash 0–0–60							60.00			
Edelen Brothers, Baltimore, Md.										
Edelen's Tobacco Bed 10–5–2	8.50	1.50	5.00						2.00	
The Farmers & Planters Co. Salisbury, Md.										
Special High Grade 6–6–5	4.50	1.50	6.00				5.00			
Early Truck, 5–8–12	3.50	1.50	8.00				12.00			
Farmers & Planters Brand 4–8–10	3.00	1.00	8.00				10.00			
Early Vegetable 4–8–5	2.80	1.20	8.00				5.00			
XX Potash Mixture 3–8–10	2.10	.90	8.00				10.00			
Fish Brand 2–9–5	1.40	.60	9.00				5.00			
Sweet Potato Special 2–8–10	1.40	.60	8.00				10.00			
Corn Grower 1–10–5	.70	.30	10.00				5.00			
Special Potash Mixture 0–12–5			12.00				5.00			
F. & P. Acid Phosphate 0–16–0			16.00							
Ford Motor Co., Dearborn, Mich.										
Ford Ammonium Sulphate 20.80–0–0	20.80	0.00								
A. H. Hoffman, Inc., Landisville, Pa.										
Hoffman's Plant Food 5–8–6	3.50	1.50	8.00						6.00	
Hoffman's Bone Meal 3.70–T.P.A. 20–0	0.00	3.70				20.00†				
Hoffman's Cow Manure (Dehydrated) 2–T.P.A. 2–2	0.00	2.00								
Hoffman's Sheep Manure (Kiln-Dried) 1.85–T. P. A. 1–2	0.00	1.85								
W. J. Hooper, Owings Mills, Md.										

Hoffman's Sheep Manure (Kiln-Dried) 1.85–T. P. A. 1–2	0.00	1.85								
W. J. Hooper, Owings Mills, Md.										
Egyptian Grower 2.70–T.P.A. 1.60–1.28										
Huston, Culver & Co., Seaford, Del.										
Huston Culver & Co's 6% 6–6–5	5.00	1.00	6.00				5.00			
Potatoe Special 6–6–5	4.50	1.50	6.00				5.00			
Truck Guano 5–8–12	4.00	1.00	8.00				12.00			
Culver's Special 4–8–10	3.00	1.00	8.00				10.00			
Trucker 4–8–5	3.00	1.00	8.00				5.00			
Huston, Culver & Co's Special 4–8–7	3.00	1.00	8.00				7.00			
Sweet Potatoe Mixture 3–8–10	2.00	1.00	8.00				10.00			
Crop Grower 2–9–5	1.50	.50	9.00				5.00			
Sussex Special 2–8–10	1.50	.50	8.00				10.00			
Hustons Special 1–10–5	.50	.50	10.00				5.00			
Wheat Special 0–10–10			10.00				10.00			
Double Potash Mixture 0–12–5			12.00				2.50	2.50		
Rock & Kainit 0–8–8			8.00					8.00		
Acid Phosphate 0–16–0			16.00							
The Maryland Milling & Supply Co., Sykesville, Md.										
M. M. & S. Co. Potato Guano 6–6–5	5.50	.50	6.00				5.00			
Forthman's Special 5–10–5	4.75	.25	10.00							5.00
M. M. & S. Co. Tomato-Corn 4–8–7	3.75	.25	8.00				7.00			
1937 Crop Mixture 2–12–5	1.75	.25	12.00							5.00
Newman's Favorite 2–9–5	1.50	.50	9.00				1.00	4.00		
Dietrich's Favorite 1–10–5	.75	.25	10.00							5.00
Phosphate & Potash 0–12–5			12.00					5.00		
High Grade Superphosphate 0–16–0			16.00							
Medford Fertilizer Works, Medford Md.										
4–8–7	3.00	1.00	8.00				7.00			
2–12–6	1.50	.50	12.00				6.00			
2–9–5	1.50	.50	9.00							5.00
2–8–10	1.50	.50	8.00				10.00			
1–10–5	.75	.25	10.00							5.00
0–12–5			12.00							5.00
The Meyer Seed Co. Baltimore, Md.										
M-S Lawn & Plant Food 6–6–5	3.56	2.40	4.50	.25	1.25		5.00			

†Total Phosphoric Acid.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
The Peerless Fertilizer Co., Chestertown, Md.										
Truckers Pride 6–6–5	5.25	.75	6.00	.....	.....	.....	5.00	.....	.....	.....
5–8–12	4.25	.75	8.00	.....	.....	.....	12.00	.....	.....	.....
4–8–10	3.50	.50	8.00	.....	.....	.....	10.00	.....	.....	.....
4–8–7	3.50	.50	8.00	.....	.....	.....	7.00	.....	.....	.....
Melon Special 4–8–7	2.00	2.00	8.00	.....	.....	.....	7.00	.....	.....	.....
Early Trucker 4–8–5	3.50	.50	8.00	.....	.....	.....	5.00	.....	.....	.....
Fish Brand Fertilizer 3–8–10	2.50	.50	8.00	.....	.....	.....	10.00	.....	.....	.....
Our Peerless 2–9–5	1.75	.25	9.00	.....	.....	.....	5.00	.....	.....	.....
2–8–10	1.75	.25	8.00	.....	.....	.....	10.00	.....	.....	.....
Superphosphate 0–16–0	.....	.....	16.00	.....	.....	.....	.....	.....	.....	.....
The Plantabbs Corporation, Baltimore, Md.										
Fulton's Plantabbs 11–15–20	11.00	00.0	.....	.....	.....	15.00*	.....	.....	.....	20.00**
Potomac Poultry Food Co., Inc., Baltimore, Md.										
4% Potash Potolime, Baked Oyster Shell Lime 0–0–4	.....	.....	.....	.....	.....	.....	2.00	.....	2.00	.....
The Pulverized Manure Co., Chicago, Ill.										
Wizard Brand Cow Manure 2–T.P.A 1–1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wizard Brand Pulverized Sheep Manure 2–T.P.A. 1–2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Read Drug and Chemical Co., Baltimore, Md.										
Plantgro 4–12–4	4.00	0.00	12.00	.....	.....	.....	4.00	.....	.....	.....
Raw Bone Meal 3.70–T.P.A. 21.50–0	0.00	3.70	.....	.....	.....	21.50†	.....	.....	.....	.....
F. S. Royster Guano Co. Baltimore Md.										
Royster Tobacco Bed Fertilizer 8–5–2	6.40	1.60	5.00	.....	.....	.....	.....	.....	2.00	.....
Royster Arrow Truck Guano 6–6–5	3.60	2.40	6.00	.....	.....	.....	5.00	.....	.....	.....

Royster Tobacco Bed Fertilizer 8–5–2	6.40	1.60	5.00				5.00				
Royster Arrow Truck Guano 6–6–5	3.60	2.40	6.00								
Royster Fonda Guano 5–10–5	4.00	1.00	10.00				5.00				
Royster Fertilizer 5–8–12	4.00	1.00	8.00				12.00				
Royster Trojan Guano 4–12–4	3.20	.80	12.00				4.00				
Royster Prize Guano 4–8–10	3.20	.80	8.00				10.00				
Royster Quality Trucker 4–8–7	3.20	.80	8.00				7.00				
Royster Gold Dust Tobacco Guano 4–8–7	2.00	2.00	8.00							5.83	1.17‡
Royster Golden Weed Tobacco Guano 4–8–5	2.00	2.00	8.00							4.17	.83‡
Royster Special Trucker 4–8–5	3.20	.80	8.00				5.00				
Royster Curlew Guano 3–12–6	2.40	.60	12.00				6.00				
Royster Favorite Guano 3–8–10	2.40	.60	8.00				10.00				
Royster Ideal Guano 3–8–8	2.40	.60	8.00				8.00				
Royster Fertilizer 2–12–6	1.60	.40	12.00				6.00				
Royster Maryland Pride Tobacco Guano 2–12–4	1.00	1.00	12.00							3.34	.66‡
Royster Gem Guano 2–12–4	1.60	.40	12.00				4.00				
Royster Big Bully Guano 2–9–5	1.60	.40	9.00				5.00				
Royster Banner Guano 2–8–10	1.60	.40	8.00				10.00				
Royster Surety Guano 1–10–5	.60	.40	10.00				5.00				
Royster Sulphate of Ammonia 20.56–0–0	20.56	0.00									
Royster Raw Bone Meal 3.70–T.P.A. 20.60–0	0.00	3.70				20.60†					
Royster Phosphate & Potash 0–10–10			10.00				5.00				5.00
Royster Phosphate & Potash 0–12–5			12.00								5.00
Royster Superphosphate 0–20–0			20.00								
Royster Superphosphate 0–16–0			16.00								
Royster Muriate of Potash 0–0–48							48.00				
Royster Kainit 0–0–20								20.00			
Wm. G. Scarlett & Co. Baltimore, Md.											
Scarlett's Greenway Brand Bone Meal 2.50–T.P.A. 24–0	0.00	2.50				24.00†					
Greenway Brand Domestic Sheep Manure 1.65–T.P.A. 1–2											
Wm. Schluderberg-T. J. Kurdle Co. Baltimore, Md.											
Esskay Quality Plant Food 5–9–4	0.00	5.00		9.00			4.00				
R. H. Slingluff Fertilizer Co., Baltimore, Md.											
Slingluff's Tobacco Bed 10–5–2	8.50	1.50	5.00							2.00	
Slingluff's Tobacco Bed 8–5–2	6.80	1.20	5.00							2.00	
Slingluff's Tobacco Bed 6–6–8	5.40	.60	6.00							8.00	

*Ammonium Phosphate. **Potassium Nitrate.
‡Sulphate Magnesia. †Total Phosphoric Acid.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Smith-Douglass Co., Inc., Norfolk, Va.										
Smith Royal Potato Fertilizer 6–6–5	3.60	2.40	5.25	.20	.55	.....	5.00	.....	.....	.....
Smith Truck Guano 6–6–5	4.20	1.80	5.60	.20	.20	.....	5.00	.....	.....	.....
Smith Fertilizer 5–8–12	3.50	1.50	7.80	.20	.....	.....	12.00	.....	.....	.....
Smith Fertilizer 4–8–10	2.80	1.20	7.80	.20	.....	.....	10.00	.....	.....	.....
Smith Fertilizer 4–8–5	2.80	1.20	7.80	.20	.....	.....	5.00	.....	.....	.....
Smith Fertilizer 3–8–10	1.80	1.20	7.80	.20	.....	.....	10.00	.....	.....	.....
Smith Fertilizer 2–9–5	1.20	.80	8.80	.20	.....	.....	5.00	.....	.....	.....
Smith Fertilizer 2–8–10	1.20	.80	7.80	.20	.....	.....	10.00	.....	.....	.....
Southern States Cooperative, Inc., Richmond, Va.										
Southern States Cooperative Quality Open Formula Tobacco Plant Bed 6–6–8	5.40	.60	6.00	.....	.....	.....	.....	.....	8.00	.....
Southern States Cooperative Quality Open Formula Super 6–6–5	3.60	2.40	6.00	.....	.....	.....	5.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 4–8–7	2.40	1.60	8.00	.....	.....	.....	7.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 4–8–5	2.40	1.60	8.00	.....	.....	.....	.....	.....	.....	5.00
Southern States Cooperative Quality Open Formula 3–12–6	1.80	1.20	12.00	.....	.....	.....	6.00	.....	.....	.....
Tilghman 3–8–10	2.25	.75	8.00	.....	.....	.....	10.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 3–8–10	1.80	1.20	8.00	.....	.....	.....	10.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 2–12–6	1.20	.80	12.00	.....	.....	.....	6.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 2–12–4	1.20	.80	12.00	.....	.....	.....	4.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 2–9–5	1.20	.80	9.00	.....	.....	.....	.....	.....	.....	5.00
Southern States Cooperative Quality Open Formula 2–8–10	1.20	.80	8.00	.....	.....	.....	10.00	.....	.....	.....
Southern States Quality Sulphate of Ammonia 20.50–0–0	20.50	0.00	.....	.....	.....	.....	.....	.....	.....	.....
Southern States Quality Raw Bone Meal 3.70–T.P.A. 20.–0	0.00	3.70	.....	.....	.....	20.00†	.....	.....	.....	.....
Southern States Cooperative Quality Open Formula 0–10–10	.....	.....	10.00	.....	.....	.....	10.00	.....	.....	.....
Southern States Cooperative Quality Open Formula 0–12–5	.....	.....	12.00	.....	.....	.....	.....	.....	.....	5.00
Swift & Co., Fertilizer Works, Baltimore, Md.										
Swift's Red Steer Tobacco Grower 10–5–2	8.00	2.00	5.00	.....	.....	.....	.....	.....	2.00	.....
Swift's Red Steer Tobacco Grower 8–5–2	6.40	1.60	5.00	.....	.....	.....	.....	.....	2.00	.....

Swift & Co., Fertilizer Works, Baltimore, Md.										
Swift's Red Steer Tobacco Grower 10–5–2	8.00	2.00	5.00						2.00	
Swift's Red Steer Tobacco Grower 8–5–2	6.40	1.60	5.00							
Swift's Red Steer 6–6–5	4.50	1.50	6.00						2.00	
Swift's Red Steer 5–10–5	3.75	1.25	10.00				5.00			
Swift's Red Steer 5–8–12	3.75	1.25	8.00				5.00			
Swift's Red Steer 5–8–5	3.75	1.25	8.00				12.00			
Swift's Red Steer Tobacco Grower 4–8–12	3.00	1.00	6.96			1.04*	5.00			
Swift's Red Steer 4–8–12	3.00	1.00	6.96			1.04*	12.00		12.00	
Swift's Red Steer 4–12–4	3.40	.60	10.97			1.03*	4.00			
Swift's Red Steer 4–8–10	3.00	1.00	6.96			1.04*	10.00			
Swift's Red Steer Tobacco Grower 4–8–10	3.00	1.00	6.96			1.04*			10.00	
Swift's Red Steer 4–8–7	3.00	1.00	6.96			1.04*	7.00			
Swift's Red Steer Tobacco Grower 4–8–7	3.00	1.00	6.96			1.04*			7.00	
Swift's Red Steer Tobacco Grower 4–8–5	3.00	1.00	8.00						5.00	
Swift's Red Steer 4–8–5	3.00	1.00	8.00				5.00			
Swift's Red Steer 3–12–6	2.40	.60	12.00				6.00			
Swift's Red Steer 3–8–10	2.25	.75	8.00				10.00			
Swift's Red Steer 2–12–6	1.50	.50	12.00				6.00			
Swift's Red Steer 2–12–4	1.50	.50	12.00				4.00			
Swift's Red Steer 2–9–5	1.50	.50	7.83			1.17*	5.00			
Swift's Red Steer 2–8–10	1.50	.50	6.96			1.04*	10.00			
Swift's Red Steer Tobacco Grower 2–8–10	1.50	.50	6.96			1.04*			10.00	
Swift's Red Steer 1–10–5	.75	.25	8.84			1.16*	5.00			
Swift's Red Steer 0–10–10			10.00				10.00			
Swift's Red Steer 0–12–5			12.00				5.00			
Swift's Red Steer Superphosphate 0–20–0			20.00							
Swift's Red Steer Superphosphate 0–16–0			16.00							
Tennessee Corporation, Lockland, Ohio										
Loma 5–10–4	4.00	1.00	10.00				4.00			
Soil-Prep 4–2–2	0.00	4.00		2.00						2.00**
I. P. Thomas & Son Co., Camden, N. J.										
6% Guano 6–6–5	4.50	1.50	6.00				5.00			
I. P. Thomas 4–8–7	3.20	.80	8.00				7.00			
Champion Special 2–12–6	1.40	.60	12.00				6.00			
Farmers Choice 2–12–4	1.70	.30	12.00				4.00			
Victor Potash Fertilizer 2–9–5	1.70	.30	9.00				5.00			
I. P. Thomas 2–8–10	1.70	.30	8.00				10.00			
Potash Mixture 0–12–5			12.00				5.00			
Superphosphate 0–16–0			16.00							

*Ammonium Phosphate. **Pulverized Tobacco Stems. †Total Phosphoric Acid.

FIRMS AND BRANDS	NITROGEN		AVAILABLE PHOSPHORIC ACID				POTASH			
	Per Cent From Mineral Sources	Per Cent From Organic Sources	Superphosphate	TANKAGE	FISH	BONE	MURIATE	KAINIT	SULPHATE	Manure Salts
Thomas & Co., Frederick, Md.										
Pea Mixture 4–8–5	3.90	.10	8.00	.....	.....	.....	5.00	.....	.....	.....
Wheat and Grass Grower 2–9–5	1.80	.20	9.00	.....	.....	.....	.....	.....	.....	5.00
Harvest Queen 1–10–5	.80	.20	10.00	.....	.....	.....	1.00	.....	.....	4.00
Rock and Potash 0–12–5	.....	.....	12.00	.....	.....	.....	.....	.....	.....	5.00
Superphosphate 0–16–0	.....	.....	16.00	.....	.....	.....	.....	.....	.....	.....
Thomas Supply Co., Adamstown, Md.										
Thomas 2–12–6	1.60	.40	12.00	.....	.....	.....	6.00	.....	.....	.....
Thomas Wheat Special 2–9–5	1.60	.40	9.00	.....	.....	.....	5.00	.....	.....	.....
Thomas Phosphate 0–16–0	.....	.....	16.00	.....	.....	.....	.....	.....	.....	.....
Wm. B. Tilghman Co., Inc., Salisbury, Md.										
Tilghman's Q Brand 6–6–5	3.60	2.40	5.20	.....	.80	.....	5.00	.....	.....	.....
Tilghman's Irish P. Guano 6–6–5	4.20	1.80	5.50	.....	.50	.....	5.00	.....	.....	.....
Tilghman's Tomato Mixture 4–8–10	3.20	.80	7.80	.....	.20	.....	10.00	.....	.....	.....
Tilghman's Melon Mixture 4–8–7	2.00	2.00	7.00	.....	1.00	.....	7.00	.....	.....	.....
Tilghman's Regular 4–8–7	3.20	.80	7.80	.....	.20	.....	7.00	.....	.....	.....
Tilghman's Early Truck 4–8–5	3.20	.80	7.80	.....	.20	.....	5.00	.....	.....	.....
Tilghman's Mixture B. 3–8–10	2.40	.60	7.80	.....	.20	.....	10.00	.....	.....	.....
Tilghman's Standard 2–9–5	1.60	.40	8.80	.....	.20	.....	5.00	.....	.....	.....
Tilghman's S. P. 2-8-10	1.60	.40	7.80	.....	.20	.....	10.00	.....	.....	.....
Towson Nurseries, Inc., Towson, Md.										
Towson Lawn Food 10–6–4	7.00	3.00	3.00	.50	.....	2.50	4.00	.....	.....	.....
F. W. Tunnell & Co., Inc., Philadelphia, Pa.										
Tunnell's Fertilizer 6–6–5	4.50	1.50	5.00	1.00	.....	.....	5.00	.....	.....	.....
Tunnell's Fertilizer 4–8–7	3.00	1.00	7.00	1.00	.....	.....	7.00	.....	.....	.....
Tunnell's Fertilizer 3–12–6	2.25	.75	11.00	1.00	.....	.....	6.00	.....	.....	.....
Tunnell's Fertilizer 3–8–10	2.25	.75	7.00	1.00	.....	.....	10.00	.....	.....	.....
Tunnell's Fertilizer 2–12–4	1.50	.50	11.00	1.00	.....	.....	4.00	.....	.....	.....
Tunnell's Fertilizer 2–9–5	1.00	1.00	8.00	1.00	.....	.....	4.00	.....	.....	1.00

Tunnell's Fertilizer 4–8–7	3.00	1.00	7.00	1.00			7.00				
Tunnell's Fertilizer 3–12–6	2.25	.75	11.00	1.00			6.00				
Tunnell's Fertilizer 3–8–10	2.25	.75	7.00	1.00			10.00				
Tunnell's Fertilizer 2–12–4	1.50	.50	11.00	1.00			4.00				
Tunnell's Fertilizer 2–9–5	1.00	1.00	8.00	1.00			4.00				1.00
Tunnell's Fertilizer 2–8–10	1.00	1.00	7.00	1.00			8.00				2.00
Tunnell's Fertilizer 1–10–5	.30	.70	9.00	1.00			3.00				2.00
Tunnell's Superphosphate 0–16–0			16.00								
Virginia-Carolina Chemical Corp., Baltimore, Md.											
V-C. 6% Truck Fertilizer 6–6–5	3.60	2.40	6.00				4.50	.50*			
V-C. Fertilizer 4–8–10	3.00	1.00	8.00				9.50	.50*			
V-C. Fertilizer 4–8–7	3.00	1.00	8.00				6.50	.50*			
V-C. Fertilizer 4–8–5	3.00	1.00	8.00				4.50	.50*			
V-C. Fertilizer 3–10–10	2.25	.75	10.00				9.50	.50*			
V-C. Fertilizer 3–8–10	2.25	.75	8.00				9.50	.50*			
V-C. Fertilizer 2–12–6	1.50	.50	12.00				4.00	.50*			1.50
V-C. Fertilizer 2–12–4	1.50	.50	12.00				2.00	.50*			1.50
V-C. Fish & Potash Compound 2–9–5	1.50	.50	9.00					1.00*			4.00
V-C. Fertilizer 2–8–10	1.50	.50	8.00				9.50	.50*			
V-C. Fertilizer 0–10–10			10.00				5.00	.50*			4.50
V-C. Fertilizer 0–12–5			12.00					.50*			4.50
V-C. Superphosphate 0–20–0			20.00								
V-C. Superphosphate 0–16–0			16.00								
The Vita-Vim Co., Baltimore, Md.											
Vita-Vim 6–10–4	3.50	2.50	10.00						4.00		
Walker-Gordon Laboratory Co., Inc., Plainsboro, N. J.											
Bovung 2-T.P.A. 2–2	0.00	2.00									
The Worcester Fertilizer Co., Snow Hill, Md.											
Worcester's Correct Plant Food Mixture 6–6–5 Regular	4.20	1.80	5.50		.50		5.00				
Worcester's Correct Plant Food Mixture 6–6–5 Gilt Edge	3.60	2.40	5.25		.75		5.00				
Worcester's Correct Plant Food Mixture 4–8–10	2.80	1.20	7.70		.30		10.00				
Worcester's Correct Plant Food Mixture 4–8–7	2.80	1.20	7.75		.25		7.00				
Worcetser's Correct Plant Food Mixture 4–8–5	2.80	1.20	7.75		.25		5.00				
Worcester's Correct Plant Food Mixture 3–8–10	2.10	.90	7.70		.30		10.00				
Worcester's Correct Plant Food Mixture 2–9–5	1.60	.40	9.00				2.00				3.00
Worcetser's Correct Plant Food Mixture 2–8–10	1.40	.60	8.00				10.00				
Superhpsophate 0–16–0			16.00								
Agricultural Laboratories, Inc., Columbus, Ohio											
†Legume-Culture											
‡Legume-Aid											
The Nitragin Co., Inc., Milwaukee, Wis.											
Nitragin is a humus culture for the incoulation of legumes											

†Kind of Micro Organism. B. Radiciola. Composition of Cultures Agar Agar. Carbon.
‡ " " " " " " " " " " " "

*Tobacco Stems.